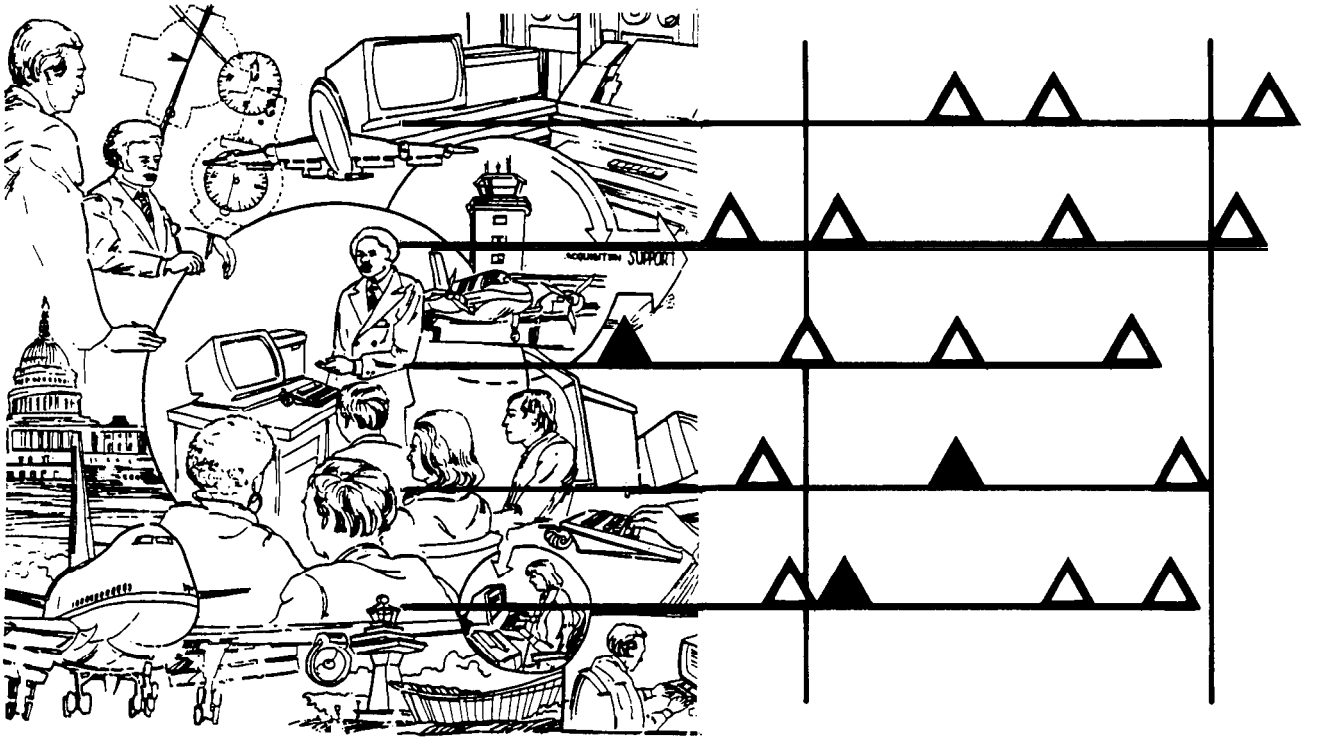
U.S. Department
of Transportation

Federal Aviation
Administration

Information Resources Management Plan

Volume II: Systems Plan
FY89 - FY93



December 1989

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U.S. Department
of Transportation
Federal Aviation
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Volume II: Systems Plan

FY89 - FY93

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Information Resources Planning Branch
Washington, D.C. 20591

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800 Independence Ave., SW
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The Federal Aviation Administration's Information Resources Management Plan (IRMP), Systems Plan, FY89 - FY93, documents the steps that are being taken to achieve the agency's long-term information resources management (IRM) goals. In the past, IRM goals were documented in the IRMP, Volume I: Strategic Overview; however, a revised/updated strategic overview is not being published this year. Current plans call for initiating the development of a new strategic plan during FY-90.

This systems plan focuses on a 5-year planning horizon and includes funding requirements for specific projects for each of the 5 years (FY89 - FY93). The project summaries and ongoing systems fact sheets reflect the status of the IRMP planning data base as of October 1989. All of the projects contained in this document have been reviewed and approved by the agency's top management officials.

This plan represents not only our commitment to new IRM efforts for improved operations, but also our commitment to continue support of ongoing systems. These projects and systems will provide significant benefits to our agency, including better access to information for decisionmaking and management of agency resources.

Brooks C. Goldman
Senior Management Official
for Information Resources Management

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1 .0 INTRODUCTION

As one of the operating administrations within the U.S. Department of Transportation (DOT), the Federal Aviation Administration (FAA) provides a wide variety of services which are essential to the safety, performance, and economy of aviation. To match the growth of the air transport industry and to take advantage of advancing technologies, the FAA continues to update the National Airspace System (NAS).

In addition to managing air traffic, however, the FAA is also the primary source of many kinds of information and services which are vital to the aviation industry. Aircraft and airport standards and certifications, aviation regulations, pilot examinations and certifications, and aviation statistics are a few examples of services which are knowledge-based and call for extensive information processing and communications. Furthermore, the agency manages the logistics and personnel necessary to support the NAS, as well as fulfill its regulatory and service responsibilities. To perform these missions efficiently and effectively requires the same quality of internal management information as is needed in any well-run business organization.

The Information Resources Management (IRM) program of the FAA was established in 1983 principally to meet the requirements of the Paperwork Reduction Act[1], and to serve as the focal point for IRM planning, policy development, program coordination and direction, and technical assistance within the agency. Since 1983, the agency's IRM program has continued to grow in scope of responsibility and importance to keep pace with increased levels of automation and complexity throughout FAA. The IRM program includes upgrading, coordinating, and integrating all of the major information systems which are not included in the real-time systems used for managing the National Airspace System. The IRM program recognizes that FAA's informational resources (people, hardware, software, and procedures) need to be carefully utilized, and that the management of these resources is critical to achieving efficient operations throughout the agency.

BACKGROUND

The FAA IRM planning process provides management the opportunity to:

- Obtain active participation from all levels of management within the agency in identifying and reviewing myriad program needs and opportunities to improve agency operations through the application of information and sys terns technology;
- Choose future directions and alternative management strategies in achieving agency objectives;

[1] Title 44 of the United States Code, Sections 3504(g) and 3505(3)(E); Public Law (P.L. 96-511), the Paperwork Reduction Act of 1980; and, the Paperwork Reduction Reauthorization Act of 1986.

- Review information systems priorities to ensure conformance with ongoing agency mission priorities and activities;
- Look beyond immediate actions to evaluate IRM-related long-term costs and benefits;
- Permit FAA to meet all applicable requirements of the Paperwork Reduction Act; and,
- Engage in discussions with the Congress, the General Accounting Office, the Office of Management and Budget, General Services Administration, and other oversight organizations so as to more fully and thoroughly comply with external rules, regulations, and policies.

The Information Resources Management Plan (IRMP) is based on a simplified, information-based planning process aimed at broad participation and timely, constructive action. It presents the agency's strategy in the following specific information areas:

1. Airports Information Requirements
2. Air Traffic Control (ATC) and Airspace Information Requirements
3. Aviation Activity Information Requirements
4. Aviation Safety Analysis System (ASAS) Information Requirements
5. Financial Resources Information Requirements
6. Human Resources Information Requirements
7. Materiel Resources Information Requirements
8. National Airspace System (NAS) Facilities Information Requirements
9. Office Automation and Management Support Information Requirements
10. Information Processing and Support Information Requirements
11. Human Interface and Training Information Requirements

The objectives of this Systems Plan are to:

- Improve top management's awareness of IRM projects;
- Coordinate IRM planning with the budget process, and increase user participation in the planning process;
- Act as a catalyst to promote clearer definition of IRM policies within FAA, Order 1370.52C, *Information Resources Management — Policies and Procedures;*
- Avoid duplication of effort by program offices by encouraging the sharing of resources, where appropriate; and,
- Provide a working document to be used by management to monitor the administration of the agency's IRM program

FAA ORGANIZATION

The Federal Aviation Administration (formerly the Federal Aviation Agency) was established by the Federal Aviation Act of 1958. It became a component

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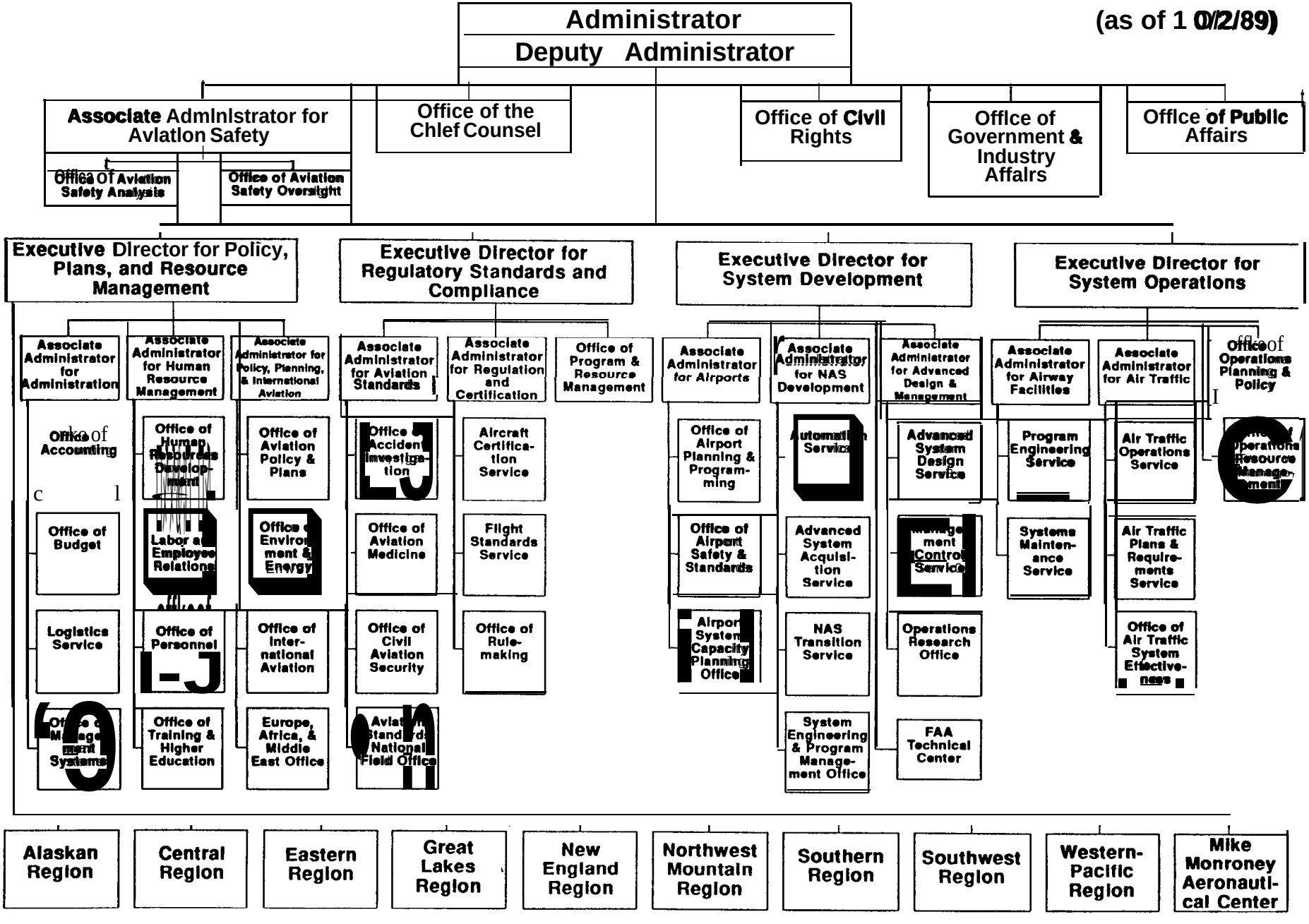
Federal Aviation Administration

(as of 10/2/89)



FAA MISSIONS

The following five mission statements summarize FAA major roles and responsibilities:

1. Promotion of aviation safety;
2. Efficient utilization of airspace;
3. Promotion of air commerce and aviation at home and abroad;
4. Fulfillment of national defense requirements; and,
5. Efficient and economical program administration.

FAA GOALS

In charting a future vision of excellence, the agency is taking an approach to goal-setting keyed to new values, and predicated on concern and commitment for people. The seven general goals of the FAA are:

1. Enhance U.S. Aviation Safety.
2. Build an FAA culture which nutures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.
3. Develop, refine, and implement FAA programs and long-range plans.
4. Assure effective and efficient utilization of human, fiscal, material, and airspace/airports resources.
5. Foster equal employment opportunity programs.
6. Reduce regulatory and administrative burden.
7. Promote USA/FAA pre-eminence in the world aviation community.

FAA OBJECTIVES — FY 1989

In addition to these continuing responsibilities, FAA annually establishes a set of near-term objectives for internal management. The information included in this book contains references to which agency objectives are supported by each development project and ongoing system. This book reflects the status of all projects and ongoing systems as of October, 1989. The agency objectives for FY89 are divided into seven categories. The twenty-five specific FAA objectives for FY 89 are:

AVIATION SAFETY:

- Initiate a test of synthetic vision technology as a pilot aid for adverse weather conditions.
- Implement an aeronautical satellite communications program to improve the safety and efficiency of transoceanic flight.
- Implement an air carrier self-evaluation safety program. Develop the regulatory framework for carriers to "certify" their compliance with Federal Aviation Regulations.
- Conduct at least four (4) safety and efficiency reviews and meet 80% of the corrective action milestones.

- Review the certificated airman training program and begin implementing recommendations.
- Place renewed emphasis on general aviation accident prevention. Reduce the number of accidents by 5% from the FY88 base.
- Develop and initiate a comprehensive human factors program for pilots and controllers.
- Establish a comprehensive timetable for implementing the recommendations of the recent International Conference on Aging Airplanes.
- Decrease operational errors by 5% from the FY88 base.

CAPACITY:

- Expand the use of the National Airspace System Performance Analysis Capability (NASPAC) to plan for the needed NAS capacity enhancements.
- Increase en-route airspace capacity by establishing multiple routes between congested terminal areas. Improve the NAS system performance by reducing daily delays of 15 minutes or more by 5% from the FY88 base.
- Assist state and local governments in planning for new airport construction, and in expanding the capacity of existing airports.
- Complete development of criteria, procedures, and standards for the full implementation of the Microwave Landing System (MLS).

THE NAS PLAN:

- Complete the Microwave Landing System acceptance testing and commission the first site.
- Maintain the thrust of the National Airspace System Plan and achieve 90% of the published milestones, as reflected in the FY89 schedule.
- Publish a Research, Engineering, and Development (R,E,&D) Plan.

GOVERNMENT/INDUSTRY PROMOTION OF AVIATION:

- Implement a joint military/civil tiltrotor certification program.
- Expand the Minnesota "partnership"example of working closely with a state government to coordinate research programs, aviation career education and training programs, and airport and general aviation planning.

FAA TRAINING:

- Update FAA training to meet 1990's technologies by establishing a new office of training and higher education, by conducting three prototype projects in conjunction with universities and industry, and by hosting two symposia on FAA job-related training.

MANAGEMENT/COMMUNICATION:

- Issue the operating procedures to further implement straight-line management.

- Increase the use of video conferencing to improve agency-wide communications.
- Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

HUMAN RELATIONS:

- Emphasize professionalism and pride in the FAA work force and increase its involvement in decision-making by taking positive action at all levels of the agency in response to the SFA and by developing a succession plan for career leadership positions.
- Increase the representation of minorities and women by selecting 20% of all new hires from each of these categories to attain a representation comparable to the civilian labor force by the year 2000.
- Improve recruitment of the FAA work force by shortening the hiring process for Air Traffic Control (ATC) specialists by at least two-thirds, by meeting FY89 work force targets, and by developing an alternative compensation program for all safety-related occupations.

FAA OBJECTIVES — FY 1990

On November 9, 1989, the Administrator approved the agency objectives for FY90. All twenty-two of these objectives are listed below. Note that the development projects and ongoing systems presented in this book reflect the IRMP planning database as of October 1989, in relationship to the FY89 objectives. The FAA objectives for FY90:

AVIATION SAFETY AND SECURITY

- Complete reviews and regulations for correcting aging aircraft problems in all U.S.-manufactured and U.S.-operated airliners by the end of FY90.
- Increase to at least ninety-five (95) percent the effectiveness of airline security checkpoints in detecting concealed weapons by the end of FY90.
- Improve international aviation security by requiring deployment of at least six state-of-the-art explosive detection systems at international airports, assigning additional FAA security specialists to busy U.S. and overseas airports, validating and offering training and seminars to friendly foreign countries, improving the FAA security bulletin process, assuring state-of-the-art x-ray and metal-detection equipment, and forming a National Aviation Security Advisory Committee to make sure all parties are operating from a common strategy.

CAPACITY AND ACCESS

- Complete closely spaced parallel runway approach monitor testing and demonstrations.

- By March 1990, develop a comprehensive installation plan for major NAS Plan deliveries.
- Provide leadership, information, issues, advice, and recommendations for the Secretary's effort to develop an integrated National Transportation Policy. Coordinate the FAA's planning with the results of the Secretary's efforts.
- Finalize an FAA Strategic Plan that is coordinated with the Department's National Transportation Policy and carry out actions to implement the strategies by June 1990.

ENVIRONMENTAL IMPACTS

- Propose a national aviation environmental policy, in coordination with the National Transportation Policy, that specifically addresses noise, access, and Federal and local roles in addressing these issues.
- Develop contingency plans to address potential energy shortages and major energy price increases as they affect system operations.

HUMAN FACTORS

- Publish and begin implementing a NAS Human Resource Management Plan that addresses the critical human resource impacts of NAS transition.

INTERNATIONALIZATION

- Accelerate the agency's work on unifying JARs and FARs in order to promote international aviation safety and to maintain U.S. leadership.
- Continue close coordination with all international agencies to ensure movement toward a standardized security process.

MANAGEMENT OF THE AGENCY

- Develop a strategic plan for supervisor/manager/executive development that will guide the design and implementation of a comprehensive system for the 1990s.
- Establish and implement an agency policy that institutionalizes the principles of total quality management; train selected senior agency managers in those principles.
- Implement a program within each organization to reduce administrative time to respond to internal and external requests, through automation, other technology, or procedural changes.
- Increase public awareness of the economic benefits of aviation and the agency's efforts to increase system capacity and to mitigate the adverse effects of noise.
- Increase the representation of minorities and women at all levels of the agency, with the goal of attaining representation comparable to the civilian labor force by the year 2000.
- Develop and establish an effective, comprehensive, nation-wide human resource strategy to recruit and retain qualified employees and managers throughout the agency.

- Develop and implement an effective, requirements-driven budget process.
- Revalidate the priorities established in the Flight Plan for Training and implement them.

TWENTY-FIRST CENTURY AVIATION SYSTEM

- Have in place an agency-wide strategic management process within the FAA that will interact with the international aviation community to define, design, develop, and achieve the acceptance of a global air transportation system evolved from the NAS Plan system to serve aviation in the twenty-first century.
- Publish an *"ATC* System *Capital Needs"* document expanding on the current NAS Plan during 1990.

IRM PROGRAM CONCEPTS

The agency's overall approach to managing and administering the Information Resources Management program is encompassed in the following features:

- Long-term strategic plans and short-term tactical plans regularly reviewed and updated to serve as the basis for management direction;
- An agency Senior Management Official for Information Resources Management who, on behalf of the Administrator, executes all IRM-related responsibilities, which encompasses policy and program management, planning, information systems management, and acquisition of information resources;
- Participation by the Executive Resource Committee to ensure top management attention and involvement in major decisions on IRM priorities, policies, and direction;
- Central IRM organizations providing the general-purpose hardware and software needed to support essential information activities of the FAA, and providing the standards, procedures, and technical expertise needed for their efficient utilization;
- An Information Resources Management Division within the Office of Management Systems to coordinate and integrate the efforts of the individual program organizations into an effective and efficient agency-wide IRM program;
- Information Resources Managers who are responsible for identifying and documenting the IRM needs and requirements of their respective offices, services, regions, and centers, and for coordinating all IRM-related activities within their program organization;
- An Information Resources Management Committee to provide a vehicle for coordinating, consulting, and/or advising the Office of Management Systems, the Executive Resource Committee, and the Senior Management Official for IRM on proposed information resources management plans, programs, policies, procedures, and standards; and,

- A policy of having Headquarters program offices plan and fund their own vertical office automation efforts has been adopted as a logical extension of the current emphasis on organizational control of systems and software development, implementation, and maintenance. "Vertical" in this concept refers to organizational functionality from the Headquarters level down through the regions to the field offices. This particular feature adds significance to the relationship between Headquarters IRMs and the regional IRMs in assuring requirements are made known for office automation planning as well as other systems planning. The vertical approach permits the national program organizations to plan, fund, and implement their systems in association with the provision of office automation capabilities in Washington Headquarters, the regional offices, and appropriate field offices.

CONTENTS OF THE SYSTEMS PLAN (FY89-FY93)

This Systems Plan is organized into 16 sections. Section 2.0 provides an Executive Summary of the Systems Plans for FY89-FY93. Specifically, Section 2.0 includes:

- Governing Management Policies and Strategies;
- Information Resources Management Organization;
- Current Environment;
- Resource Requirements; and
- Office of Management Systems (AMS) FY 1990 Management Objectives.

Sections 3.0 through 13.0 each include summary information on resource requirements and a list of IRM development projects that fall within each IRM information area. The summary tables are followed by individual project summary pages for each active project in the FY 1989-93 program. Section 14.0, *Other Information Area,* is included to accommodate projects which do not appropriately fall in one of the other information area categories. Section 15.0, *Records Management Information Area,* is an information area category established in FY 1987.

Section 16.0, *Ongoing Systems,* presents summary tables and individual fact sheets for the ongoing systems applicable to each information area, and are presented in the same sequence as the development projects. Appendices to this Plan include alphabetical, numerical, and information area indices to projects, ongoing systems, and a glossary of terms and contractions.

PROJECT NUMBERING SYSTEM

IRM development projects and ongoing systems are assigned six-digit identification numbers comprised of: codes for the Responsible IRM Organization (the first two digits), the Information Area (the middle two digits), and the Project or System Number (the last two digits). The Project or

System Number is assigned by the IRMP Automated Update Application to provide unique identification. This identifier can be any number from 01 to 99. The codes for the first pair of numbers are shown below. The codes for the second pair of numbers is shown on the following page.

RESPONSIBLE IRM ORGANIZATION (First Two Digits)

Organization Number	
01	Associate Administrator for Administration (AAD)
02	Associate Administrator for Air Traffic (AAT)
03	Assistant Administrator for Civil Rights (ACR)
04	Associate Administrator for Airway Facilities (AAF)
05	Chief Counsel (AGC)
06	Assistant Administrator for Public Affairs (APA)
07	Associate Administrator for Policy, Planning, and International Aviation (API)
08	Associate Administrator for Airport System Development (ARP)
09	Associate Administrator for Aviation Standards (AVS)
10	Director, Mike Monroney Aeronautical Center (AAC)
11	Regional Administrator, Alaskan Region (AAL)
12	Regional Administrator, Central Region (ACE)
13	Director, Technical Center (ACT)
14	Regional Administrator, Eastern Region (AEA)
15	Regional Administrator, Great Lakes Region (AGL)
16	Regional Administrator, New England Region (ANE)
17	Regional Administrator, Northwest Mountain Region (ANM)
18	Regional Administrator, Southern Region (ASO)
19	Regional Administrator, Southwestern Region (ASW)
20	Regional Administrator, Western-Pacific Region (AWP)
21	Associate Administrator for Aviation Safety (ASF)
22	Associate Administrator for Human Resource Management (AHR)
23	Associate Administrator for Advanced Design and Management Control (ADM)
24	Associate Administrator for NAS Development (AND)
25	Director, Office of Program and Resource Management (APR)
26	Associate Administrator for Regulation and Certification (AVR)
27	Assistant Administrator for Government and Industry (AGI)
28	Director, Office of Operations Planning and Policy (AOP)
29	Director, Office of Operations Resource Management (AOM)

INFORMATION AREA (Second Two Digits)

Information Area Number[2]	
03	Airports
04	Air Traffic Control (ATC) and Airspace
05	Aviation Activity
06	Aviation Safety Analysis System (ASAS)
07	Financial Resources
08	Human Resources
09	Materiel Resources
10	National Airspace System (NAS) Facilities
11	Office of Automation and Management Support
12	Information Processing and Support
13	Human Interface and Training
14	Other
15	Records Management

[2] Also IRMP Strategic Overview Chapter Number, except for 14 (*Other*).

2.0 EXECUTIVE SUMMARY OF THE SYSTEMS PLAN FOR FY89-FY93

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2.1 GOVERNING MANAGEMENT POLICIES AND STRATEGIES

GENERAL MANAGEMENT POLICY

The FAA general Information Resources Management Program policy, which was established by FAA Order 1370.52B, *Information Resources Management-Policies and Procedures,* is to:

- Utilize automated information systems whenever such use is expected to result in improved performance of the mission of FAA, increased management effectiveness of FAA operations, or specific cost savings or cost avoidance;
- Utilize the most advanced, proven ADP design techniques, but only when they promise to provide efficient and effective results;
- Provide central management overview of all IRM activities to ensure adequate consideration of objectives, to maximize utilization of available resources, and to provide a continuous evaluation of IRM management effectiveness from an overall agency perspective;
- Give priority to the development of major ADP applications or significant expansions to existing applications which have the greatest potential return in relation to the agency's total mission; and,
- Provide for rejustification of automated information systems on a recurring basis.

PLANNING POLICY

The basic elements of information resources management planning in FAA are included in this Systems Plan, which is a short-term tactical plan. Projects identified in this document were approved by top management officials, and they serve as a basis for:

- Bringing information system activities into proper relationships with changing agency missions and objectives;
- Committing all agency organizations to schedules, actions, functional relationships, and costs;
- Assigning resources and priorities to the range of information needs, action plans, and improvement opportunities;
- Planning and budgeting within all appropriations and organizations as it relates to information resources activities; and,

- Accounting for performance both functionally and financially for information resources activity results.

FUNDING POLICY

Each national program organization will budget and fund efforts for all end-user computing power requirements, and will include their share of the budgetary requirements of the common system in their budgets, to the extent feasible.

DATA MANAGEMENT POLICY

The fundamental data management principle adopted by the FAA is that control of data is central to system design, including obtaining data input, conversion to machine readable form, and editing as close to the source as possible. To accomplish this:

- Data editing and routine checking, error identification, correction, control, and updating are performed by machine as quickly as possible after entry and with minimal human intervention;
- Data collection, quality assurance, and its responsibility are located as close as possible to those most knowledgeable about the substance of the information — the generating source;
- Data elements are entered once and, thereafter, are used and reused by anyone who needs them. However, each data element should be stored in one location, and should not be copied without careful consideration of data integrity problems and alternative solutions;
- Data collection responsibility should be assigned to those who can most effectively carry it out, regardless of their need for data;
- Data access should be given to those who need the data without regard to their organizational affiliation or geographic location, but with due regard to rights of individual privacy and data security; and
- The agency's data should be regulated via agency data dictionaries. Once established, all changes to data element names, codes, and definitions will be managed through FAA's data dictionaries.

ADP EQUIPMENT POLICY

A systems integrator concept for ADP will be the backbone for FAA ADP equipment configurations. A single vendor will provide equipment and support to meet all of the ADP large-scale host computer resource requirements, and will provide facilities to accommodate all the host resources. Further, the vendor will provide for upgrades and enhancements to support any new workload requirements, and will install the latest, most cost-effective technology, both hardware and software. The FAA will divest itself of all technical and operational functions for supporting the common system of equipment currently in place.

The implementation of the new system integration approach should result in the benefits listed on the following page:

- User-operated equipment at each user's desk, or nearby, that will provide ready access to the host system or systems;
- More comprehensive consideration of information required by users regardless of the organizational or geographical location of the user or the data resource;
- Overall improvement of general-purpose ADP service levels to satisfy all program office needs;
- Increase employee access to high quality ADP resources yielding improvement of overall productivity;
- Provide for the development of chargeback mechanisms and more effective and current ADP standards; and
- Ensure that the agency has easy, rapid access to appropriate improvements and developments in computer technology by shortening the procurement process in future years.

SOFTWARE POLICY

The agency's basic policy is to minimize software development and maintenance costs by supporting data systems with FIPS-compatible, general-purpose, standardized software. This means that:

- Whenever and wherever possible, existing software packages that satisfy a user's requirements will be used instead of developing new application software;
- Software will be documented, configured, and maintained in such a way as to reduce reliance upon the individuals or specific organizations who operate, modify, or enhance the software;
- All software will be managed in an orderly manner reflecting sound industry practices, including:
  - Isolation of function in a distinct manner and standardization of interfaces between functions;
  - Clarification of the meaning of code, including readability, ease of understanding, and modification;
  - Incorporation of suitable data access and security methods; standardization of data; and portability of application software;
  - Movement toward database management systems; and
  - Newer and more powerful programming languages.
- General-purpose software will be managed in order to control access, modifications, security, maintenance, software version control, release specifications, and libraries.

2.2 INFORMATION RESOURCES MANAGEMENT RESPONSIBILITIES

RESPONSIBILITIES

Senior Management Official (SMO). Public Law P.L. 96-5 *11, The Paperwork Reduction Act of 1980* requires each Federal executive department to designate a senior management official to execute the IRM responsibilities of the agency head. DOT's Assistant Secretary for Administration (M-l) has been designated as the SMO at the Department level. Similarly, the Administrator has designated the Associate Administrator for Administration (AAD-1) as the focal point for IRM within FAA as it pertains to PL. 96-5 11. The agency SMO executes all IRM-related management, policy, and oversight responsibilities on behalf of the Administrator, and has direct operational responsibilities for some specific IRM functions.

Executive Resource Committee. The FAA Executive Resource Committee assists the Administrator by reviewing matters of agency policy and other critical issues. Major decisions on IRM priorities, policies, and direction will be referred to the Committee to ensure top management attention and involvement.

Office of Management Systems (AMS). The Office of Management Systems provides staff support, advice, and assistance to the Senior Management Official for IRM. AMS also provides overall technical direction and technical staff support for all matters related to the agency automated information systems, office automation systems, data communications equipment, and all associated software, and standards. AMS is responsible for providing a master plan to meet current and future requirements for the common system of support facilities within the framework of the IRMP, and for translating this master plan into budgetary requirements.

Information Resources Management Division. Under the management direction of AMS, the division is responsible for overall direction of all FAA activities needed to successfully implement the requirements of the Paperwork Reduction Act and FIRMR. The division also consults with and obtains input from IRMs and the IRMC concerning major IRM issues.

Information Resources Managers (IRMs). Associate administrators, regional administrators, and center directors designate an Information Resources Manager within their respective organizational jurisdiction. The degree to which each associate administrator, regional administrator, or center director delegates responsibility and authority on information resource management matters or chooses to exercise them on his own behalf is a matter of individual judgement. As an individual IRM, the designee acts for the associate administrator, regional administrator, or center director within his organization.

Information Resources Management Committee (IRMC). The IRMC is made up of all of the designated Information Resources Managers. In addition, the Directors of Management Systems and the Aeronautical Center

designate technical representatives to represent the "providers" of IRM services. The IRMC has established subcommittees to focus on key IRM areas, and an Executive Committee to plan and coordinate IRMC activities.

Project Managers. Project managers, in coordination with the appropriate IRM, are responsible for:

- Carrying out the development of a particular automated information system by coordinating the efforts of users, developers, operators, and contractors associated with that system;
- Managing and reporting on project schedules, costs, and other supporting resources for the IRMs;
- Establishing and maintaining a positive change control management system through the developmental and implementation phases to ensure that the completed project — the operational information system — meets the requirements of the system definition;
- Determining that all proposed changes are essential to the development task, and that changes are coordinated among all prospective users of the automated information system;
- Keeping contracting officers advised, if appropriate, on proposed changes so that the contracting officer may be alerted to the impact the proposed change may have on current or proposed contractual actions;
- Preparing for and participating in operational tests and evaluations of the automated information system; and,
- Ensuring compliance with the security provisions of the Privacy Act, the Computer Security Act of 1987, OMB Circular A-130, and Order 1600.54B *FAA Automated Information Systems Security Handbook.*

Program Organizations. Program organizations (i.e., the offices, services, regions, centers, field organizations, and the component elements of these organizations through which the agency does its work) retain primary responsibility for managing their information resources. This includes identifying program requirements for information systems, initiating actions to enter new projects into the systems plan, and updating descriptions of projects and ongoing systems already in the systems plan.

Program organizations obtain resources to support the ongoing operation of information systems. These organizations program resources for end-user computing requirements and the organization's share of the usage of the common system. The IRMs representing national program offices have the additional responsibility for developing, planning, and assuring funding for the office automation needed by their own and counterpart program offices. Such plans are coordinated with the affected counterparts through the regional IRMs.

Data System Managers. Data System Managers are the official representatives of the Office of Primary Responsibility and are responsible for ensuring the successful ongoing operation of the automated information systems.

Office of Civil Aviation Security. The Office of Civil Aviation Security is responsible for automated information systems security for the agency.

Aeronautical Center (AAC). The Aeronautical Center, as the major source of in-house ADP services, has day-to-day operating responsibility for the hardware, software, and telecommunications support for many national systems. In addition, AAC serves as the technical integration center for all national systems using its ADP facility.

Logistics Service. The Logistics Service, which reports to the Associate Administrator for Administration, has responsibility for providing advice on all relevant procurement matters, and for providing procurement support to IRMs, project managers, information systems managers, and program organizations.

2.3 CURRENT ENVIRONMENT

HARDWARE

To accommodate the administrative ADP workload, the FAA uses a combination of agency-owned computers, leased computers, commercial ADP services, and other shared government computer facilities (for example, the Department's Transportation Computer Center (TCC) in Washington, D.C. and the Transportation Systems Center (TSC) in Cambridge, Massachusetts). However, the agency has an ongoing acquisition effort — the Computer Resources Nucleus (CORN) project- which is intended to provide uniform, large-scale, general-purpose ADP resources and replace the existing IBM and Data General (DG) mainframes agency-wide. Once the contract is awarded, the CORN vendor will be responsible for converting the applications systems, turning them back to FAA for maintenance, and for providing the ADP resources necessary to process the applications.

ADP FACILITIES

Major ADP facilities plus other support facilities are described in the paragraphs which follow.

Headquarters. For support of timesharing, national data systems, and data interchange with the regional offices, the Headquarters facility has two Data General MV/15000 computers, and significant data/word processing capability is provided through a Wang VS300 and three VS100 systems. ADP support of FAA Headquarters also is provided by the Department of Transportation (DOT) Transportation Computer Center which provides ADP support to all Washington, D.C. elements of DOT.

Aeronautical Center. This is the ADP facility responsible for supporting selected, centralized information systems of the agency. Their ADP facility consists of an IBM 3084 and two Data General MV/15000 computers. The Flight Standards National Field Office, located at the Aeronautical Center, also has a Data General MV/15000 computer.

FAA Technical Center. This ADP facility is responsible for providing engineering and scientific support to the Center, as well as associated administrative support services. Their ADP facility consists of a Honeywell 6600 computer for engineering and scientific support and two Data General MV/15000 computers for administrative support. A number of other computers exist at the Center, and are dedicated to particular technical projects.

Regional Offices. Each regional office provides primary ADP support at a regional facility housing Data General MV/15000 computer systems.

Remote Field Facilities. These are computer terminals and micro/minicomputers that are dedicated to the support of a particular application as performed in a small entity of the agency. Differing from the following category of autonomous facilities, these facilities generally include the entering of data that eventually will be stored and accessed by organizational elements at various levels throughout the agency. The remote field facilities

presently include Burroughs word processing computers used at Flight Standards Field Offices; Tandem computers used for the monitoring of several hundred remote, unmanned radar and navigation facilities to sense equipment failures; and, micro-computers to support program-specific local automation activities, such as gathering data regarding the performance of all equipment used in the NAS.

Autonomous Facilities. These ADP facilities are dedicated to the support of a single application, and seldom is access to the data required from points external to the particular application. These facilities include the Honeywell computer at the FAA Technical Center which is dedicated to local research, development, testing, and engineering applications; specific computers at the Civil Aeromedical Institute (CAMI) which are dedicated to scientific projects; the computers installed in FAA airplanes for the aerial inspection of air traffic control and navigation systems; and, particular computers used for generating the graphics associated with instrument landing approach procedures.

Timesharing Services. Both interactive and batch services are extensively used by the regional offices, two centers, and Headquarters in support of a broad variety of localized and agency-wide applications. These services are primarily acquired from commercial timesharing vendors. Additionally, services are acquired on an inter-services basis from federal agencies.

OTHER HARDWARE

The Honeywell 6600 at the FAA Technical Center and the VAX 11/780 at the CAMI, in Oklahoma City, Oklahoma, are used to support research and development activities.

MICRO-COMPUTERS

Though the major support is currently provided through the above resources, micro-processors continue to account for a significant portion of the agency's hardware resources. In excess of 7000 micro-computer systems, representing 57 different manufacturer brand names, are currently installed. The proliferation of brands also denotes an area of increased usage of office automation technology and applications throughout the agency. This usage is in line with the strategy laid out in the IRMP for the agency's information processing support posture; however, the adverse impact from proliferation of brands is being addressed by the introduction of uniform systems via the Office Automation Technology and Services (OATS) program.

Once implemented, OATS will serve as a Department-wide contractual mechanism for obtaining and promoting uniformity of office automation equipment and services, including hardware, software, interconnectivity, training, installation, maintenance, and technical services, and will facilitate the compatibility and standardization of office-based information technology and services throughout FAA. The number of office automation projects in the plan and inherent equipment implications point to the concept taking hold.

ONGOING SYSTEMS SUPPORT

Automated systems support most of FAA's functions. However, the extent and type of functional support varies from office to office. In the past, the primary development support was derived from ADP staffs in the regions, centers, and headquarters. Due to staffing constraints and increased workload, more and more efforts are being developed contractually. In the future, each organization will be responsible for their own developmental efforts with lessening reliance on the ADP staffs. The table below shows, by information area, a summary of reported active ongoing systems. Specifics regarding ongoing systems are in Section 16.0 of this plan.

Summary of Active Ongoing Systems

information Area	Number of Ongoing Systems
Airports	11
Air Traffic Control (ATC) and Airspace	13
Aviation Activity	5
Aviation Safety Analysis System (ASAS)	10
Financial Resources	38
Human Resources	25
Materiel Resources	23
National Airspace System (NAS) Facilities	25
Office Automation and Management Support	24
information Processing and Support	8
Human Interface and Training	8
Other	30
Records Management	4
TOTAL	224

SOFTWARE

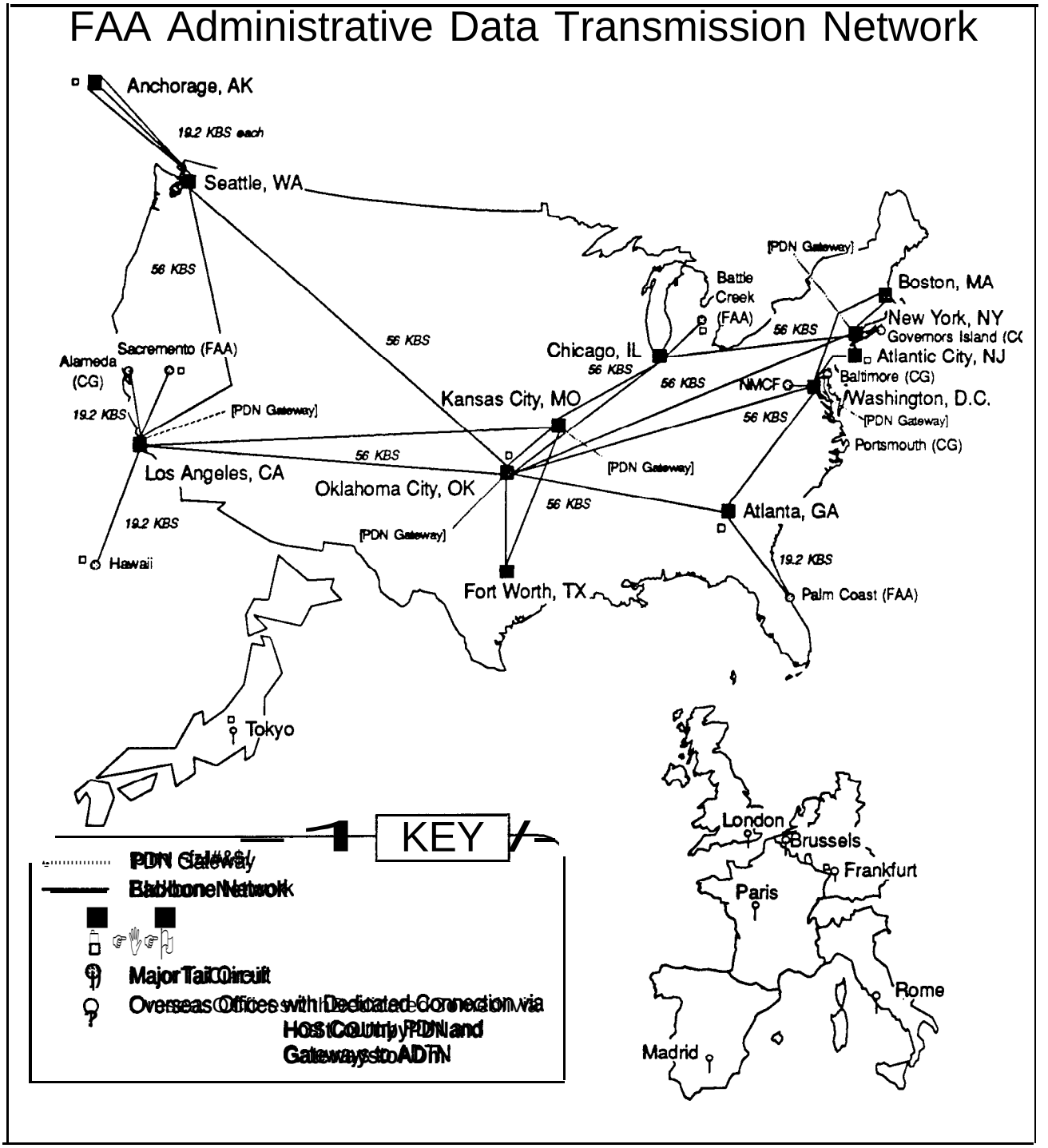
The agency's software environment is basically COBOL with a few FORTRAN applications. The major database management system is ADABAS on the IBM 3084 in Oklahoma City. The regions' and centers' DG MV/15000 computers use the INFOS data management system and DG/DBMS. Other predominant database management systems used ate the FAA-owned version of System 2000, and the Retrieval and Update System (RUS).

The thrust of office automation efforts represents a significant change with regard to agency software. The use of "fourth-generation" software packages typically calls for less reliance on traditional ADP staff resources. An emergence of "decision support systems" software is taking place under the umbrella of office automation.

TELECOMMUNICATIONS

Nearly every organization within the FAA uses the computer-based information systems which are resident on ADP equipment at the Aeronautical Center, Oklahoma City; the FAA Technical Center, Atlantic City; Head-

quarters in Washington, D.C.; the Department's Transportation Computer Center, Washington, D.C.; the Transportation Systems Center, Cambridge, MA; the **SEIC,** Washington, D.C., and at all regional offices. The Administrative Data Transmission Network (ADTN) provides end-to-end connectivity between users throughout the country and these **ADP** host facilities. The ADTN also provides connectivity to international field offices such as Brussels, London, Rome, Madrid, Paris, and Tokyo. The ADTN telecommunications equipment is FAA-leased-to-purchase, while the major haul trunks and the tail segments are all leased. Refer to the map below.



The ADTN is a fully private packet switched network with an initial backbone comprised of 16 node switches and 56 kbps digital trunk circuits. FY 1990 will bring the addition of all ARTCCs as node sites, bringing the total node sites to 35. It was designed with a 50 percent excess capacity from the outset, and a growth capability to accommodate all projected FAA and DOT requirements. Contractor support is used to operate, maintain, and expand the network. It is managed by the Telecommunications Operations and Administration Program Branch (ASM-310).

The ADTN provides end-to-end connectivity for interactive and batch data transfer for host-to-host, host-to-terminal, terminal-to-host, and terminal-to-terminal operations. Service for remote users is extended through the use of dial-up via a public data network and gateways into the ADTN. All host computers are interfaced to the network and all major concentrations of user equipment have dedicated (hard-wired) access to the network. In addition, the ADTN provides inter-network gateways to interface other networks on systems such as computer resource timeshare, Telex, and local area networks. The ADTN also provides a standardized FAA-wide electronic mail/message service. All dedicated links using commercial facilities are encrypted for privacy and security. In the future, FAA will look towards transition to the new Government-wide FTS-2000 contract.

TELECOMMUNICATIONS BUDGET

The Telecommunications Operations and Administration Program is directly responsible for providing telecommunications connectivity FAA-wide. Services provided include voice systems, data facsimile, video, local and FTS service (leased lines, PBXs, etc.), office automation communications, and micro-computer (PC) communications. For planning purposes, the following depicts the administrative telecommunications budget:

	FY90	FY91	FY92	FY93
$ (Millions)	40.8[1]	42.5	43.7	44.7

[1] New PBXs for all regions, ARTCCs, Emergency Operation Facilities, and Central Flow Control Facility.

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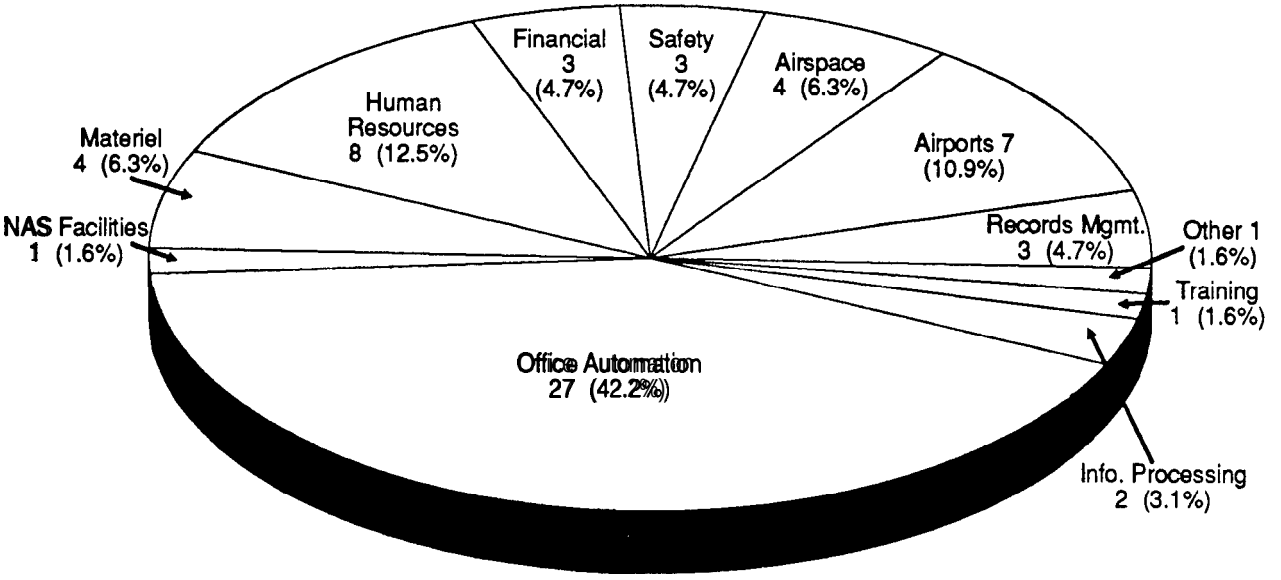
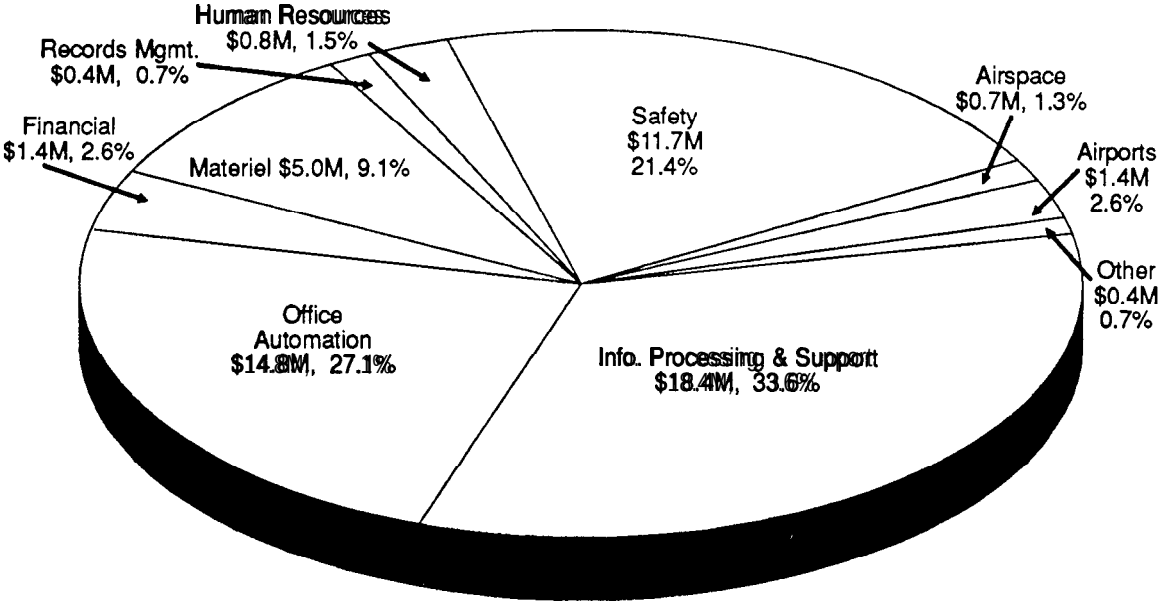
PLANNED COSTS BY INFORMATION AREA

The following three charts[2] show the proportions of currently planned efforts against the information areas analyzed in the Strategic Overview and included in Sections 3.0 through 15.0 of this document.

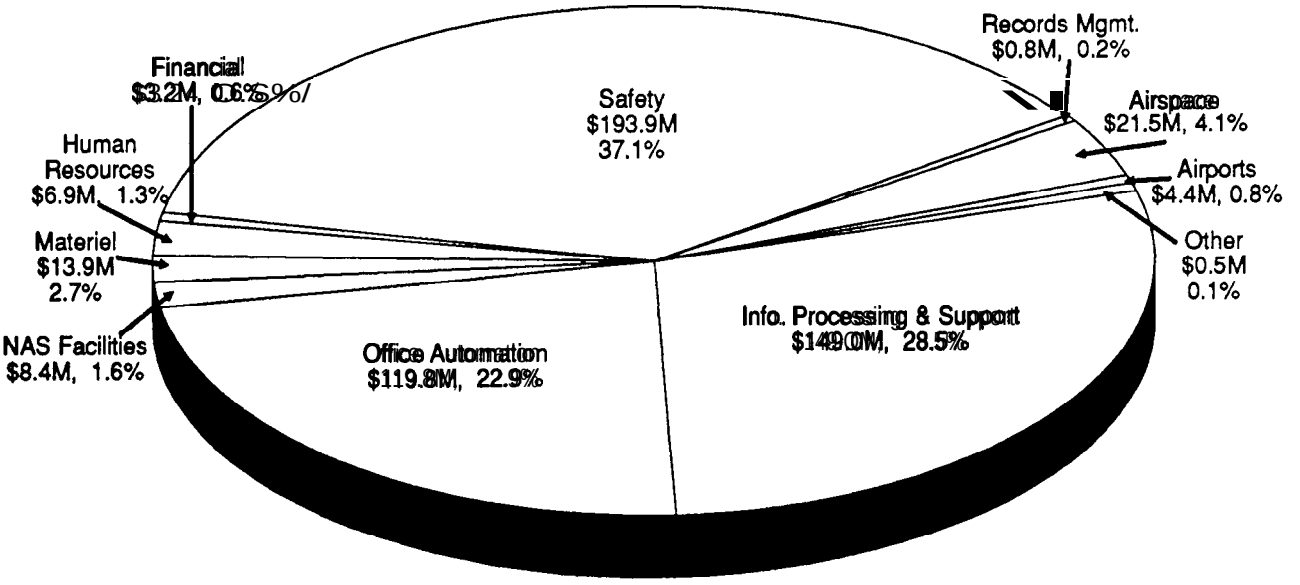


Number of IRM Development Projects by Information Area (Total = 64 Projects)



Fiscal Year 1989 Development Costs by Information Area (Total = $54.6M)

[2] Note: Numbers may not add due to rounding.



FY89-FY93 Development Costs by Information Area
(Total = $522.3M)

The following table provides total development costs for all active and future projects included in the program. Total past and future development costs for active projects are shown in the first column followed by FY89 and subsequent years covered by this plan. The last column shows the total development costs for the five-year planning window.[3]

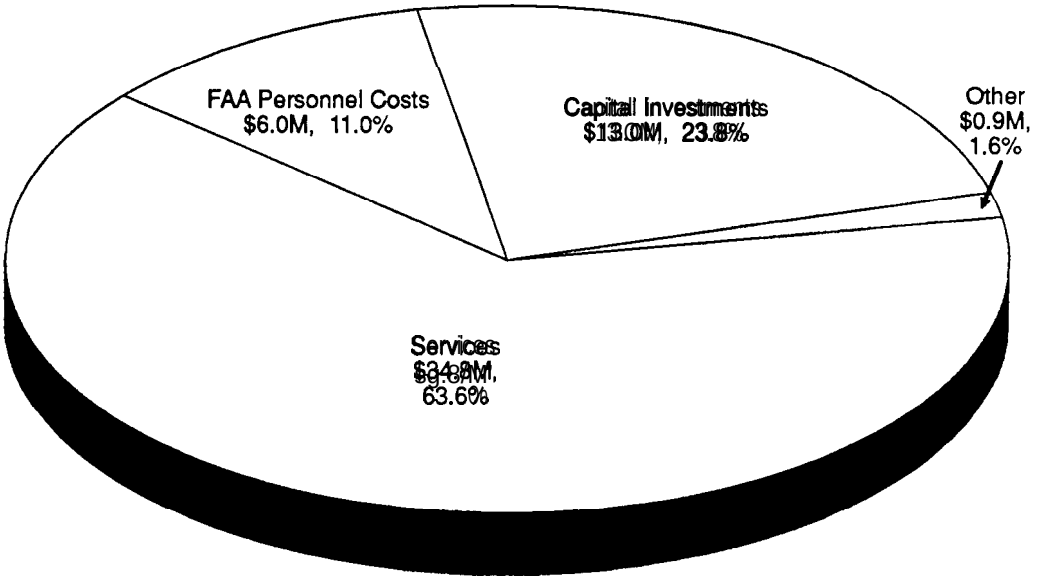
IRM Development Costs by Information Area

INFORMATION AREA	TOTAL[4]	DEVELOPMENT COSTS (in $MILLIONS) FY89	FY90	FY91	FY92	FY93	FY89-93
Airports	7.4	1.4	0.9	1.5	0.6	0.0	4.4
Air Traffic Control (ATC) and Airspace	27.6	0.7	1.0	8.5	8.4	2.9	21.5
Aviation Activity	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aviation Safety Analysis System (ASAS)	414.8	11.7	17.8	54.1	55.7	54.7	193.9
Financial Resources	5.1	1.4	1.5	0.3	0.0	0.0	3.2
Human Resources	10.8	0.8	2.0	1.8	1.1	1.1	6.9
Materiel Resources	31.9	5.0	4.5	3.6	0.4	0.4	13.9
NAS Facilities	10.4	0.0	2.1	2.2	2.2	1.9	8.4
Office Automation and Management Support	148.6	14.8	25.8	36.9	23.5	18.8	119.8
Information Processing and Support	154.9	18.4	13.6	50.8	66.0	0.2	149.0
Human Interface and Training	8.5	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.6	0.4	0.1	0.0	0.0	0.0	0.5
Records Management	1.2	0.1	0.3	0.3	0.1	0.1	0.8
TOTAL	821.8	54.6	69.7	160.0	158.0	80.0	522.3

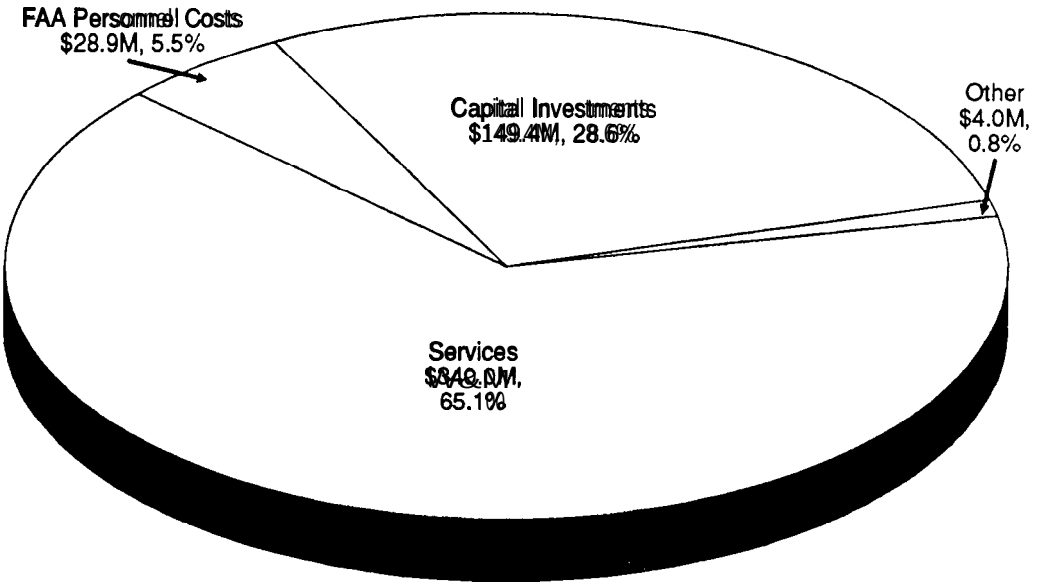
[3] Note: Numbers may not add due to rounding.
[4] The TOTAL column includes prior year costs.

PLANNED COSTS BY BUDGET CATEGORY

The distribution of cost elements (objects of expenditure) for development projects in this plan are shown below. The categories shown are subtotals of a more detailed breakdown which is available for cost monitoring and budget analysis purposes. The Services category includes commercial and other Federal government costs outside the FAA.[5]



Fiscal Year 1989 Development Costs by Budget Category
(Total = $54.6M)

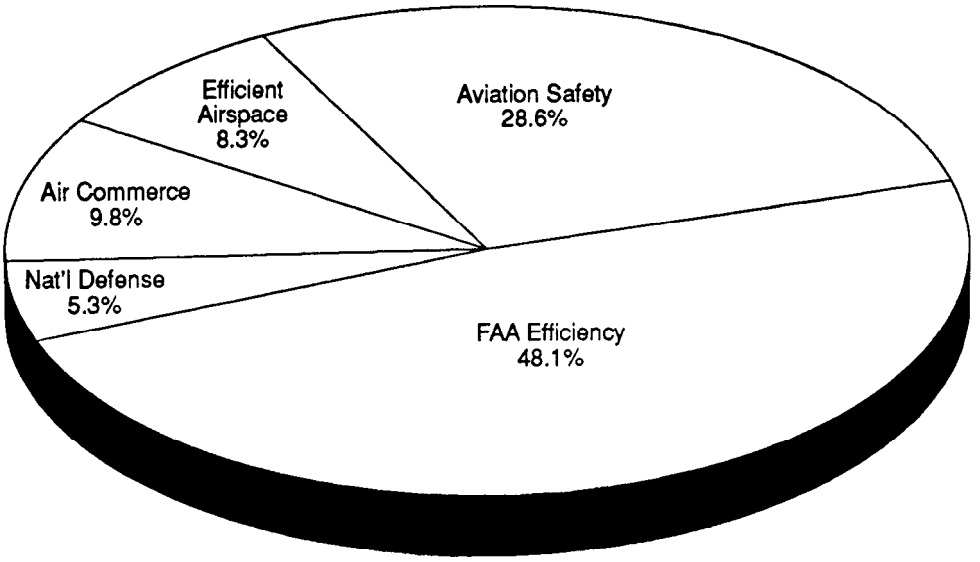


FY89-FY93 Development Costs by Budget Category
(Total = $522.3M)

[5] Note: Numbers may not add due to rounding.

FAA MISSIONS SUPPORTED

An indication of the distribution of FAA missions supported by IRM development projects is shown below. The segments are based on the missions cited in individual project plans, including those which cite multiple missions. Since this plan does not include real-time automation segments of the NAS, the distribution is weighted toward the internal management of the agency.



Distribution of FAA Missions Addressed by Development Projects

SIGNIFICANT IRM ACTIVITIES

The schedule which follows, on the next page, shows the costs for the largest 20 IRM development projects in descending order of total development costs.

Major IRM Projects — Descending Total Costs

Project Number	Title	FY89 Dev. Cost ($M)	FY89-93 Dev. Cost ($M)	Total Dev. Cost ($M)	Compl. Date
250601	Aviation Safety Analysis System (ASAS) Development	10.9	187.1	407.5	SEP-97
011212	Computer Resources Nucleus (CORN)	18.1	147.1	1525	SEP-92
241101	NAS Management Office Automation Program (NASMAP)	6.4	59.0	71.7	SEP-95
100806	Logistics and inventory System (LIS)	4.2	11.6	24.7	NOV-91
020406	National Flight Data Center (NFDC) Aeronautical information Management Program	0.3	21.1	21.3	SEP-93
101101	Office Automation, Aeronautical Center	2.6	19.9	20.8	SEP-92
141113	Office Automation - Eastern Region	0.9	120	125	SEP-93
041001	Telecommunications Information Management System (TIMS)	—	a.4	10.4	DEC-95
101374	Air Traffic/Aviation Standards CBI Expansion	—		8.5	DEC-90
191101	Automated Management Information, Southwest Region (SWAMI)	—	4.7	6.6	DEC-91
210803	National Aviation Safety Data Center Program	0.3	5.4	5.4	SEP-93
171101	Office Automation, Northwest Mountain Region	1.3	3.1	5.0	SEP-97
220804	Training Management Information System	—	3.2	4.1	SEP-94
020421	Air Traffic Administrative Management System (ATAMS)	—	—	4.1	JUN-SO
010708	Budget Information System	0.9	1.8	3.7	SEP-90
010910	System for Acquisition Management	0.3	1.6	3.7	JUN-93
220801	MATES - Modular Applicant Testing, Examining, and Screening	0.4	1.7	3.2	SEP-90
181107	AS0 Office Automation	0.4	26	3.2	SEP-93
071101	Office Automation, Phase I (API)	0.5	0.6	3.0	DEC-89
011115	Office Automation (ALG)	0.4	1.2	3.0	JUN-91
Totals		48.0	4920	774.8	
All other Projects		6.6	30.4	47.1	
Grand Totals		54.6	5223	821.9	

BUDGETING FOR RESOURCES REQUIREMENTS

The agency currently does not have a direct tie between the budgetary process and the IRM Systems Plan; however, the budget figures do reflect the most current information available. Project development plans are based upon identified agency needs and requirements, but do not, necessarily, constitute full funding approval at this time.

The ADP program budget includes funds for the continued operation of the administrative ADP facilities at headquarters, regions, and centers; for replacement equipment being acquired for system implementation, etc.; and, for supporting ongoing systems operation for all agency program areas.

The budget figures shown on the FY90 - FY93 Obligations and Inventory of ADP Systems chart on the following page reflects consolidated planning figures for ADP administrative systems, excluding the NAS system, for most of the headquarters program offices.

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	1990	1991	1992	1993
7. OTHER SERVICES				
A. Payments	0	0	0	0
B. Collections	-23	-25	-26	-27
Subtotal:	-23	-25	-26	-27
TOTAL OBLIGATIONS	103,434	191,533	211,431	217,562

2.5 OFFICE OF MANAGEMENT SYSTEMS (AMS)

FY 1990 MANAGEMENT OBJECTIVES

1. **Implement Total Quality Management In the Office of Management Systems (AMS).**

   FY 1990 marks the beginning of the Office of Management Systems' implementation of Total Quality Management (TQM). The evolution into TQM, which will extend over several years, involves a cultural change in management attitude and philosophy. The emphasis of TQM is on meeting customer requirements while eliminating errors and tardiness.

2. **Award the CORN Contract and Begin Its Implementation.**

   This project supports the ADP needs of the agency by creating a uniform, agency-wide, administrative computing resource. Using this new resource will alleviate the inconsistencies and capacity shortfalls of the current ADP system and will actively avoid them in the future. To accomplish this, the project will contract ADP services to provide total facilities management and turnkey operations.

3. **Award and Implement the OATS Contract.**

   The OATS program will provide an innovative procurement mechanism to standardize and modernize the office-based information technology and services throughout the Department of Transportation (DOT). Furthermore, OATS will enhance the Department's information-sharing capability beyond what is currently possible, producing as a result an environment in which procurement may be managed more easily. This solution involves a single contract for uniform hardware, software, interconnectivity, technical and support services, training, installation, and maintenance, available throughout the DOT.

4. **Issue for Coordination an Agency-wide Data Administration Program Plan.**

   The tremendous and rapid increase in computing resources throughout the FAA has caused a proliferation of redundant and inconsistent data, to the point where it is expensive to collect and maintain the data. This situation complicates management's ability to make sound decisions based on reliable data. The AMS objective is to establish a comprehensive program plan for managing and administering FAA's vast data resources. Once accomplished, this agency-wide program will provide the strategic plan to better identify and manage these data resources.

5. **Develop an Agency-wide Local Area Network (LAN) Management Strategy.**

   To better use the agency's electronic communications capability, a Headquarters networking Workgroup has been assembled to assist in developing an FAA-wide LAN strategy. This strategy, when completed, will identify

the requirements for the DOT/FAA Headquarters backbone network(s), develop the OATS network transition plans and the FTS-2000 transition plans, and develop and implement all networking standards and guidelines.

6. Update FAA-wide Office Automation (OA) Plan.

In order to effectively maintain the current data on the agency's OA requirements, AMS will update the FAA-wide Office Automation Plan to reflect any new or modified agency program office requirements. The updated Plan will also include some additional useful information.

7. Update the Information Resources Management Plan, Volume I: Strategic Overview.

AMS is planning a comprehensive revision of the Information Resources Management Plan (IRMP): Volume I for this fiscal year. The revised IRMP will fully, clearly, and succinctly reflect the FAA's overall strategic plan for information resources management (IRM). Essentially, the plan will document a vision of the future for IRM at the FAA.

8. Restructure Database of information Resources Management Plan.

Restructuring the Information Resources Management Plan (IRMP) database is a major objective of AMS for this fiscal year. The restructured database will include, in addition to both the planned and existing automated systems, the data elements for agency budget and OMB reporting requirements.

9. Issue a Directive on Data Administration Standards.

To exploit the potential of a highly-integrated management information environment, AMS plans to issue an agency directive focusing on data administration standards. This project will establish a framework for managing data as a resource, and will include information architecture, methods, techniques, procedures, and practices.

10. Issue a Database Management Systems Order.

In a related action, the Office will also issue an agency directive containing detailed guidance and instructions governing the selection of the database management systems that operate on the agency's Data General computers.

11. Issue a Records Management User's Guide.

This guide will contain procedures for effective records creation, disposition, and transfer; records cleanout; standard office management; correspondence creation and control; and electronic recordkeeping practices. This guide will be used as a standardized and effective tool for managing a total office management environment.

12. Develop an FAA Directory Management Information System.

This project will identify, analyze, and recommend enhancements to improve the FAA Directory Management Information System. The primary users — agency program managers and staff personnel — access the system to obtain various types of information including names, addresses, phone numbers, locations, field offices, and facilities.

13. Install an Executive Information System for the Admfnfstrator's Management Team.

The Executive Information System will provide executives an access to summary-level, on-line data from a broad range of information areas such as: Aviation Safety, Financial Resources, Human Resources, and National Airspace. Executives use this data for overall planning and control, current and projected performance monitoring, target setting, and status tracking.

14. Assist and Support Activities fnvolvfng Total Quality Management.

AMS will serve as a focal point on agency-wide Total Quality Management (TQM) issues and activities. The Office will initiate and coordinate all TQM briefings and training sessions for requesting agency program offices, establish an information center on available TQM information and services, and publicize quality and productivity achievements through various mediums (like newsletters) to headquarters, regions, and centers.

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3.0 AIRPORTS INFORMATION AREA

Traditional Airports Program functions include: airport capacity, national au-port planning, administration of airport grant programs, airport safety certifications, collection and maintenance of airport facility data, development of airport standards, management of airport environmental and social requirements, management of the compliance program, airspace reviews, management of relocation assistance programs, airport related property programs, and management of several other safety related programs.

INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are $4382.6 thousand.

BUDGET CATEGORY	FY89	FY90	FY91	FY92	FY93
CAPITAL INVESTMENTS	450.0	330.0	900.0	600.0	0.0
FAA PERSONNEL COSTS	58.4	34.0	0.0	0.0	0.0
SERVICES (Commercial & Other Govt.)	855.0	525.0	625.0	0.0	0.0
OTHER COSTS	0.0	5.2	0.0	0.0	0.0
TOTAL ($000)	1363.4	894.2	1525.0	600.0	0.0

INFORMATION RESOURCES DEVELOPMENT PROJECTS

Presented below and on the next page is a list summarizing the development projects associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. Figures shown in the *Total Cost* column include costs outside the five-year FY89-FY93 time frame. More detailed information, such as the responsible organization, milestones, and cost breakdowns, may be found in the *Project Summaries* which follow.

DEVELOPMENT PROJECTS LIST

Project Number	Project Title	Schedule Start/ Complete	Total Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
060308	National Plan of Integrated Airport Systems Modifications (NPIAS)	AUG-84 JUN-90	830.6	1,2,3,4,5	1,3,4,7	63
060309	Airport Certification Compliance System	JAN-83 JAN-84	1461.0	1,3,4,5	1,3,4,7	63
060310	Airport Safety Data System	JAN-91 JUN-91	775.7	1,2,3,4,5	1,3,4,7	63
060312	Pavement Analysis System	MAR-84 DEC-92	134.7	1,3	7	63
060313	Post-1987 Legislation	JAN-87 DEC-91	1472.0	1,2,3,4,5	1,3,4,7	63
060318	Enhanced AAMS	JAN-65 SEP-90	486.0	1,5	1,7	63

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INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are $4382.6 thousand.

BUDGET CATEGORY	FY89	FY90	FY91	FY92	FY93
CAPITAL INVESTMENTS	450.0	330.0	900.0	600.0	0.0
FAA PERSONNEL COSTS	58.4	34.0	0.0	0.0	0.0
SERVICES (Commercial & Other Govt.)	855.0	525.0	625.0	0.0	0.0
OTHER COSTS	0.0	5.2	0.0	0.0	0.0
TOTAL ($000)	1363.4	894.2	1525.0	600.0	0.0

INFORMATION RESOURCES DEVELOPMENT PROJECTS

Presented below and on the next page is a list summarizing the development projects associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. Figures shown in the *Total Cost* column include costs outside the five-year FY89-FY93 time frame. More detailed information, such as the responsible organization, milestones, and cost breakdowns, may be found in the *Project Summaries* which follow.

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060308	National Plan of Integrated Airport Systems Modifications (NPIAS)	AUG-84 JUN-90	830.6	1,2,3,4,5	1,3,4,7	63
060309	Airport Certification Compliance System	JAN-83 JAN-84	1461.0	1,3,4,5	1,3,4,7	63
060310	Airport Safety Data System	JAN-91 JUN-91	775.7	1,2,3,4,5	1,3,4,7	63
060312	Pavement Analysis System	MAR-84 DEC-92	134.7	1,3	7	63
060313	Post-1987 Legislation	JAN-87 DEC-91	1472.0	1,2,3,4,5	1,3,4,7	63
060318	Enhanced AAMS	JAN-65 SEP-90	486.0	1,5	1,7	63

NATIONAL PLAN OF INTEGRATED AIRPORT SYSTEMS MODIFICATIONS (NPIAS)

Project No.: 080308

Purpose:

improve data access by connecting the national plan of integrated airport systems with the grant management systems.

IRMP Information Area: Airports

Total Development Costs ($000): 830.6

Responsible Organization: APP-400

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 08/01/84					
Requirements	Completed (08/15/85)				
Design	●				
Program Development		▼			
Purchase Equipment		▼			
Installation		▼			
Project Completion - 06/30/90					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital investments	0.0	0.0	80.0	100.0	0.0	0.0
FAA Personnel Costs	23.7	0.0	24.7	0.0	0.0	0.0
Services (Commercial & Other Govt.)	247.0	200.0	75.0	75.0	0.0	0.0
Other Costs	0.0	0.0	5.2	0.0	0.0	0.0
Total Expenditures:	270.7	200.0	184.9	175.0	0.0	0.0

Note: Expenditure plan may include operational costs in years following project completion.

Major Related Development Projects:

080309 Airport Certification Compliance System

Major Related Ongoing Systems:

080303 Airport Development Aid Program/Planning Grant Program Management
080306 Airport Improvement Program
080307 Regional Grants Management System
080397 National Plan Of Integrated Airport Systems
110301 Airports Information Inquiry And Reporting System

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

AIRPORT CERTIFICATION COMPLIANCE SYSTEM

Project No.: 080309

Purpose:

Provide data to evaluate, manage, and analyze as trends of deficiencies, identified in inspections.

IRMP information Area: Airports

Total Development Costs ($000): 1481.0

Responsible Organization: AAS-350

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 01/01/83					
Requirements	(Completed 09/28/83)				
Design		♦			
Program Development			▼		
System Installation				▼	
Requirements Update					▼
Project Completion - 06/30/92					

A Scheduled ▼ Rescheduled ♦ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	628.0	0.0	0.0	0.0	600.0	0.0
FAA Personnel Costs	35.3	41.3	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	61.4	0.0	50.0	50.0	0.0	0.0
Other Costs	15.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	739.7	41.3	50.0	50.0	600.0	0.0

Major Related Development Projects:

080308 National Plan of Integrated Airport Systems Modifications (NPIAS)
080310 Airport Safety Data System

Major Related Ongoing Systems:

080302 Runway Friction Measurement
080307 Regional Grants Management System

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

AIRPORT SAFETY DATA SYSTEM

Project No.: 080310

Purpose:
Provide regional access to airport data.

IRMP Information Area: Airports

Total Development Costs ($000): 775.7

Responsible Organization: AAS-350

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 01/01/84					
Requirements	(Completed 09/30/84)				
Design	(Completed 01/31/87)				
Program Development	(Completed 06/30/88)				
Purchase Equipment	(Completed 09/01/88)				
System Installation		▼			
Requirements Update			▲		
Project Completion - 06/30/91					

A Scheduled ▼ Rescheduled *Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	100.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	50.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	400.7	125.0	0.0	100.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	550.7	125.0	0.0	100.0	0.0	0.0

Major Related Development Projects:
080309 Airport Certification Compliance System

Major Related Ongoing Systems:
080307 Regional Grants Management System
080311 Bird Hazard System

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

PAVEMENT ANALYSIS SYSTEM

Project No.: 080312

Purpose:

Assist in analysis and evaluation of data to support the Airport Standards Programs.

IRM P Information Area: Airports

Total Development Costs ($000): 134.7

Responsible Organization: ANS-260

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 03/01/84					
Requirements			▼		
Design				▼	
Program Development					▼
Installation					
Project Completion - 12/31/92					

A Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	46.6	9.3	9.3	0.0	0.0	0.0
Services (Commercial & Other Govt.)	69.5	0.0	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	116.1	9.3	9.3	0.0	0.0	0.0

Note: Expenditure plan under development.

Major Related Development Projects:

Major Related Ongoing Systems:

080301 Airport Pavement Analysis
080306 Airport Improvement Program

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

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Project No.: 080312

Purpose:

Assist in analysis and evaluation of data to support the Airport Standards Programs.

IRM P Information Area: Airports

Total Development Costs ($000): 134.7

Responsible Organization: ANS-260

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 03/01/84					
Requirements			▼		
Design				▼	
Program Development					▼
Installation					
Project Completion - 12/31/92					

A Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	46.6	9.3	9.3	0.0	0.0	0.0
Services (Commercial & Other Govt.)	69.5	0.0	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	116.1	9.3	9.3	0.0	0.0	0.0

Note: Expenditure plan under development.

Major Related Development Projects:

Major Related Ongoing Systems:

080301 Airport Pavement Analysis
080306 Airport Improvement Program

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

ENHANCED AMIS

Project No.: 080318

Purpose:

Expand the Airports Management Information System (AMIS) to provide management with reports in the Airport Safety Data Area and to facilitate interfaces with other agency systems (accounting, personnel).

IRMP Information Area: Airports

Total Development Costs ($000): 486.0

Responsible Organization: ARP-10

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 01/05/86					
Requirements Phase I (Airport Data)	(Completed 07/31/86)				
Requirements Phase II (Regional OA)	(Completed 07/31/86)				
Installation Phase I	▼				
Installation Phase II					
Project Completion - 09/30/90					

▲ Scheduled ▼ Rescheduled ★ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	100.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	61.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	320.0	0.0	0.0	0.0	0.0	0.0
Other Costs	5.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	486.0	0.0	0.0	0.0	0.0	0.0

Note: Expenditure plan under development.

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

AIRPORT CAPACITY MODELING

Project No.: 080319

Purpose:
Enable airport planners to use modeling techniques in the airport planning process.

IRMP Information Area: Airports

Total Development Costs ($000): 2253.6

Responsible Organization: APP-400

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 10/01/86					
Requirements	(Complete)	3/31/87)			
Procure Software					
Procure Hardware				▼	
Installation				▼	
Project Completion - 12/31/91					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	550.0	450.0	0.0	300.0	0.0	0.0
FAA Personnel Costs	18.6	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	250.0	280.0	200.0	200.0	0.0	0.0
Other Costs	5.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	823.6	730.0	200.0	500.0	0.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant mars.

Milestones are shown at end of FY quarters.

4.0 AIR TRAFFIC CONTROL (ATC) AND AIRSPACE INFORMATION AREA

Four related but separate areas are supported in the Air Traffic Control (ATC) and Airspace Information Area. They are the Aeronautical Information System (AIS), the Obstruction Evaluation and Airport Airspace Analysis (OE and AAA) and Instrument Approach Procedures Automation (IAPA), Air Traffic Control Procedures and Separation Standards, and Air Traffic Operation and Management.

INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are $21,516.4 thousand.

BUDGET CATEGORY	FY89	FY90	FY91	FY92	FY93
CAPITAL INVESTMENTS	0.0	0.0	0.0	0.0	0.0
FAA PERSONNEL COSTS	50.0	150.0	150.0	150.0	150.0
SERVICES (Commercial & Other Gov't)	636.4	835.0	8335.0	8280.0	2780.0
OTHER COSTS	0.0	0.0	0.0	0.0	0.0
TOTAL ($000)	686.4	985.0	8485.0	8430.0	2930.0

INFORMATION RESOURCES DEVELOPMENT PROJECTS

Presented below is a list summarizing the development projects associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. Figures shown *in the Total Cost* column include costs outside the five-year FY89-FY93 time frame. More detailed information, such as the responsible organization, milestones, and cost breakdowns, may be found in the *Project Summaries* that follow.

DEVELOPMENT PROJECTS LIST

Project Number	Project Title	Schedule Start/ Complete	Total Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
020406	National Flight Data Center (NFDC) / Aeronautical Information Management Program	JUN-85 SEP-93	21263.0	1,2,3,4,5	1,3,4,6,7	63
020407	Obstruction Evaluation And Airport Airspace Analysis (OE/AAA)	JAN-84 DEC-94	1015.0	2,5	3,5	53
020409	Quality Assurance Analysis Reporting (QUASAR)	JAN-88 SEP-90	1236.4	1,5	1,3,4,6	63
020421	Air Traffic Administrative Management System (ATAMS)	JAN-88 JUN-90	4073.6	5	1,4	53
TOTAL			27500.0			

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INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are $21,516.4 thousand.

BUDGET CATEGORY	FY89	FY90	FY91	FY92	FY93
CAPITAL INVESTMENTS	0.0	0.0	0.0	0.0	0.0
FAA PERSONNEL COSTS	50.0	150.0	150.0	150.0	150.0
SERVICES (Commercial & Other GovL)	636.4	835.0	8335.0	8280.0	2780.0
OTHER COSTS	0.0	0.0	0.0	0.0	0.0
TOTAL ($000)	686.4	985.0	8485.0	8430.0	2930.0

INFORMATION RESOURCES DEVELOPMENT PROJECTS

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020407	Obstruction Evaluation And Airport Airspace Analysis (OE/AAA)	JAN-84 DEC-94	1015.0	2,5	3,5	63
020409	Quality Assurance Analysis Reporting (QUASAR)	JAN-88 SEP-90	1236.4	1,5	1,3,4,6	63
020421	Air Traffic Administrative Management System (ATAMS)	JAN-88 JUN-90	4073.6	5	1,4	53
TOTAL			27500.0			

NATIONAL FLIGHT DATA CENTER (NFDC) AERONAUTICAL INFORMATION MANAGEMENT PROGRAM

Project No.: 020406

Purpose:

Develop a comprehensive information management system to support flight data requirements for operation in the National Airspace System (NAS) and the Air Traffic Control (ATC) System.

IRMP Information Area:

Air Traffic Control (ATC) and Airspace

Total Development Costs ($000): 21263.0

Responsible Organization: ATO-200

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 06/01/85					
Requirements, Alternatives, and Cost/Benefit Analyses	▲				
System Specification		▲			
Solicitation Document			▲	r	
Contract Award				▲	
Initial Operating Capability					▲
Operational Test and Evaluation	(Scheduled 09/30/93)				
Project Completion - 09/30/93					

A Scheduled ▼ Rescheduled ♦ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	200.0	50.0	150.0	150.0	150.0	150.0
Services (Commercial & Other Govt.)	0.0	293.0	780.0	8280.0	8280.0	2780.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	200.0	343.0	930.0	8430.0	8430.0	2930.0

Major Related Development Projects:

020407 Obstruction Evaluation And Airport Airspace Analysis (OE/AAA)

Major Related Ongoing Systems:

020411 Aeronautical Information System

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

OBSTRUCTION EVALUATION AND AIRPORT AIRSPACE ANALYSIS (OE/AAA)

Project No.: 020407

Purpose:

Automate analysis of proposed construction and landing areas under Federal Aviation Regulations (FAR) Parts 77,152, and 157; and the Terminal Instrument Procedures.

IRMP Information Area:

Air Traffic Control (ATC) and Airspace

Total Development Costs ($000): 1015.0

Responsible Organization: ATO-210

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 01/01/84					
Develop Requirements	(Completed 04/30/84)				
Test Interim Software	(Completed 07/31/85)				
Software Conversion to Micro	(Completed 07/31/86)				
Requirements for Regional LAN	(Completed 06/30/87)				
Develop National Plan			▼		
Develop CAEG Interface				▼	
Equipment for Implementation					▼
Test LAN/Computational Interface					▼
Regional/Headquarters Hardware/Software	(Rescheduled 09/30/93)				
Install Hardware/Software	(Rescheduled 09/30/93)				
Project Completion - 01/01/94					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	*200.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
Services (Commercial & Other Govt.)	*660.0*	*45.0*	*55.0*	*55.0*	*0.0*	*0.0*
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	*860.0*	*45.0*	*55.0*	*55.0*	*0.0*	*0.0*

Note: Expenditure plan under development.

Major Related Development Projects:

020406 National Flight Data Center (NFDC) Aeronautical Information Management Program

Major Related Ongoing Systems:

190407 Obstruction, Evaluation, and Airport Airspace Analysis

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

QUALITY ASSURANCE ANALYSIS REPORTING (QUASAR)

Project No.: 020409

Purpose:
Collect and disseminate information for air traffic management.

IRMP Information Area:
Air Traffic Control (ATC) and Airspace

Total Development Costs ($000): 1238.4

Responsible Organization: ATO-400

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 01/01/83					
Establish Project Management	Completed 11/25/83)				
Access to Obstruction Evaluation, Outage, and Unsatisfactory Condition Report	Completed 06/01/84)				
Extend Access to Regional Office and Field		▼			
Trend Prediction Analysis		▼			
Interface with Traffic Management System			▼		
Interface with Management Information System			▼		
Modify ARTS Software			▼		
Interface with NAS			▼		
Project Completion - 09/30/90					

▲ Scheduled ▼ Rescheduled ★ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	100.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	840.0	298.4	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	940.0	298.4	0.0	0.0	0.0	0.0

Note: Expenditure plan under development.

Major Related Development Projects:

020421 Air Traffic Administrative Management System (ATAMS)

Major Related Ongoing Systems:

140402 Air Traffic Statistical Reporting
190401 Air Traffic Count Data
190402 Air Traffic Density

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

AIR TRAFFIC ADMINISTRATIVE MANAGEMENT SYSTEM (ATAMS)

Project No.: 020421

Purpose:

Provide support for scheduling, training, time and attendance, medical, and personnel functions. Provide Regional Office with roll-up capability of field data. Completion date is based on full implementation nationwide.

IRMP Information Area: Air Traffic Control (ATC) and Airspace

Total Development Costs ($000): 4073.6

Responsible Organization: AAT-16

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 01/01/83					
Requirements Analysis & Feasibility Study	(Completed 03/24/84)				
System Design Specifications	(Completed 11/13/84)				
Program Specifications	(Completed 03/22/85)				
Programming & Testing	(Completed 03/31/87)				
Test Analysis Report	(Completed 09/30/87)	▼			
Evaluation for National Application					
Project Completion - 06/30/90					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	*2637.3*	*0.0*	*0.0*	0.0	0.0	0.0
FAA Personnel Costs	*633.0*	*0.0*	*0.0*	0.0	0.0	0.0
Services (Commercial & Other Govt.)	*803.3*	*0.0*	*0.0*	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	*4073.6*	*0.0*	*0.0*	0.0	0.0	0.0

Note: Expenditure plan under development.

Major Related Development Projects:

020409 Quality Assurance Analysis Reporting (QUASAR)

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

AIR TRAFFIC ADMINISTRATIVE MANAGEMENT SYSTEM (ATAMS)

Project No.: 020421

Purpose:

Provide support for scheduling, training, time and attendance, medical, and personnel functions. Provide Regional Office with roll-up capability of field data. Completion date is based on full implementation nationwide.

IRMP Information Area: Air Traffic Control (ATC) and Airspace

Total Development Costs ($000): 4073.6

Responsible Organization: AAT-16

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 01/01/83					
Requirements Analysis & Feasibility Study	(Completed 03/24/84)				
System Design Specifications	(Completed 11/13/84)				
Program Specifications	(Completed 03/22/85)				
Programming & Testing	(Completed 03/31/87)				
Test Analysis Report	(Completed 09/30/87)	▼			
Evaluation for National Application					
Project Completion - 06/30/90					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	*2637.3*	*0.0*	*0.0*	0.0	0.0	0.0
FAA Personnel Costs	*633.0*	*0.0*	*0.0*	0.0	0.0	0.0
Services (Commercial & Other Govt.)	*803.3*	*0.0*	*0.0*	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	*4073.6*	*0.0*	*0.0*	0.0	0.0	0.0

Note: Expenditure plan under development.

Major Related Development Projects:

020409 Quality Assurance Analysis Reporting (QUASAR)

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

5.0 AVIATION ACTIVITY INFORMATION AREA

The Aviation Activity Information Area represents the collection and dissemination of management and statistical (non-operational) information for use by managers and analysts. This information is used to support forecasting and a broad range of ad hoc or one-time analyses or parametric models. Examples include cost benefit analyses, regulatory analyses, overtime and pay studies. The information plays an integral part in each of the agency's functions and is required to develop, support, and coordinate most programs and plans of the agency.

Activity information in today's environment may be viewed as consisting of two broad areas: an activity and environment area and an agency operations area. The activity and environment area consists of data from external sources and measures the size of aviation in the country. Information in the agency operations area comes from internal FAA sources and is administrative in nature.

At the time of this publication, no development projects are being conducted in this information area. No cost figures or funding requirements, therefore, exist, nor are they needed.

6.0 AVIATION SAFETY ANALYSIS SYSTEM (ASAS) INFORMATION AREA

The Federal Aviation Act of 1958 requires that the FAA certificate aircraft, airmen, air carriers, other operators, and air agencies. The Act also requires that the FAA perform surveillance and enforce the adherence to the Federal Aviation Regulations to promote effective and safe aviation. These are the responsibilities of the Regulatory Standards and Compliance organization and its components, including the Office of Rulemaking, Civil Aviation Security, Accident Investigation, Aviation Medicine, Program and Resource Management, the Flight Standards Service, the Aircraft Certification Service, and the Aviation Standards National Field Office.

The Regulatory Standards and Compliance organization initiated the development of the Aviation Safety Analysis System (ASAS) in 1982 to provide an effective and timely mechanism for the collection, storage, dissemination, and analysis of all AXR mission related information. Its basic design philosophy is to integrate safety related information into a corporate data structure, provide source level information capture and dissemination through user-friendly information systems, and to provide managers with rhe tools and information necessary to improve both aviation safety and management functions. Extensive help functions and local data editing will be provided in order to improve the accuracy and completeness of the entered information. The ADTN telecommunications network links field offices with regional and national FAA information processing facilities. This approach is intended to provide field personnel and other agency organizational elements with improved access to more reliable and timely safety related information and with the capability to conduct a more effective analysis of potential safety issues.

Note that funding estimates are subject to revision as the Agency budgets are revised and reconciled.

INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are $193,869.0 thousand.

BUDGET CATEGORY	FY97	FY98	FY99	FY00	FY01
CAPITAL INVESTMENTS	748.0	2040.0	14824.0	19844.0	14040.0
FAA PERSONNEL COSTS	1126.0	1350.0	1417.0	1224.0	1273.0
SERVICES (Leased & Other GM)	9593.0	14133.0	37618.0	34547.0	39240.0
OTHER COSTS	183.0	237.0	244.0	94.0	94.0
TOTAL ($000)	11650.0	17760.0	54103.0	55709.0	544547.0

6.0 AVIATION SAFETY ANALYSIS SYSTEM (ASAS) INFORMATION AREA

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The Regulatory Standards and Compliance organization initiated the development of the Aviation Safety Analysis System (ASAS) in 1982 to provide an effective and timely mechanism for the collection, storage, dissemination, and analysis of all AXR mission related information. Its basic design philosophy is to integrate safety related information into a corporate data structure, provide source level information capture and dissemination through user-friendly information systems, and to provide managers with the tools and information necessary to improve both aviation safety and management functions. Extensive help functions and local data editing will be provided in order to improve the accuracy and completeness of the entered information. The ADTN telecommunications network links field offices with regional and national FAA information processing facilities. This approach is intended to provide field personnel and other agency organizational elements with improved access to more reliable and timely safety related information and with the capability to conduct a more effective analysis of potential safety issues.

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INFORMATION RESOURCES DEVELOPMENT COSTS

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BUDGET CATEGORY	FY97	FY98	FY99	FY00	FY01
CAPITAL INVESTMENTS	748.0	2040.0	14824.0	19844.0	14040.0
FAA PERSONNEL COSTS	1126.0	1350.0	1417.0	1224.0	1273.0
SERVICES (Command & Control)	9593.0	14133.0	37618.0	34547.0	39240.0
OTHER COSTS	183.0	237.0	244.0	94.0	94.0
TOTAL ($000)	11650.0	17760.0	54103.0	55709.0	54547.0

FAA FY89 Objectives Supported:

AVIATION SAFETY:

13 Implement an air carrier self-evaluation safety program. Develop the regulatory framework for carriers to "certify" their compliance with the Federal Aviation Regulations.

14 Conduct at least four (4) safety and efficiency reviews and meet 80% of the corrective action milestones.

15 Review the certificated airman training program and begin implementing recommendations.

16 Place renewed emphasis on general aviation accident prevention. Reduce the number of accidents by 5% from the FY88 base.

17 Develop and initiate a comprehensive human factors program for pilots and controllers.

18 Establish a comprehensive timetable for the implementation of the recommendations of the recent International Conference on Aging Airplanes.

19 Decrease operational errors by 5% from the FY88 base.

HUMAN RELATIONS:

7 1 Emphasize professionalism and pride in the FAA work force and increase its involvement in decision-making by taking positive action at all levels of the agency in response to the SFA and by developing a succession plan for career leadership positions.

OFFICE AUTOMATION PROGRAM

Project No.: 210601

Purpose:

Provide efficient and effective support, including hardware, software, and telecommunications, to operational and administrative functions of the office.

IRMP Information Area:

Aviation Safety Analysis System (ASAS)

Total Development Costs ($000): 1973.0

Responsible Organization: ASF

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 08/21/87					
Select Development Team	(Completed 09/30/87)				
Complete TEM Associates, Inc. Study	(Rescheduled 11/01/87)				
Select Option					
Order Hardware/Software					
Design Cabling					
Coordinate Move					
Project Completion - 09/30/91					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	183.5	240.0	240.0	240.0	0.0	0.0
FAA Personnel Costs	50.0	80.0	60.0	60.0	0.0	0.0
Services (Commercial & Other Govt.)	285.5	100.0	150.0	200.0	0.0	0.0
Other Costs	4.0	0.0	50.0	50.0	0.0	0.0
Total Expenditures:	523.0	400.0	500.0	550.0	0.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

211201 National Airspace Information Monitoring System

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

OFFICE AUTOMATION PROGRAM

Project No.: 210601

Purpose:

Provide efficient and effective support, including hardware, software, and telecommunications, to operational and administrative functions of the office.

IRMP Information Area:

Aviation Safety Analysis System (ASAS)

Total Development Costa ($000): 1973.0

Responsible Organization: ASF

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 08/21/87					
Select Development Team	(Completed 09/30/87)				
Complete TEM Associates, Inc. Study	(Rescheduled 11/01/87)				
Select Option					
Order Hardware/Software					
Design Cabling					
Coordinate Move					
Project Completion - 09/30/91					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	183.5	240.0	240.0	240.0	0.0	0.0
FAA Personnel Costs	50.0	80.0	60.0	60.0	0.0	0.0
Services (Commercial & Other Govt.)	285.5	100.0	150.0	200.0	0.0	0.0
Other Costs	4.0	0.0	50.0	50.0	0.0	0.0
Total Expenditures:	523.0	400.0	500.0	550.0	0.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

211201 National Airspace Information Monitoring System

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

AVIATION SAFETY ANALYSIS SYSTEM (ASAS) DEVELOPMENT

Project No.: 250601

Purpose:

Develop and implement a cost-effective, integrated, comprehensive, and automated certification and safety information system that meets the needs of all the organizations within the agency.

IRMP Information Area:

Aviation Safety Analysis System (ASAS)

Total Development Costs ($000): 407495.0

Responsible Organization: APR-300

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 04/01/80					
International Automation Implementation					
Office of Rulemaking Subsystems Development					
Office of Civil Aviation Security Subsystems Development	(Scheduled 09/30/93)				
Office of Accident Investigation Subsystems Development	(Scheduled 09/30/93)				
Office of Programs and Resource Management Subsystems Development	(Scheduled 09/30/93)				
Microcomputer Equipment Deployment	(Scheduled 09/30/93)				
Office of Flight Standards Subsystems Deployment	(Scheduled 09/30/94)				
Aircraft Certification Service Subsystems Development	(Scheduled 09/30/94)				
Aviation Standards National Field Office Subsystems Development	(Scheduled 09/30/94)				
Office of Aviation Medicine Subsystems Development	(Scheduled 09/30/94)				
Full Integration of ASAS Subsystems	(Scheduled 09/30/96)				
Project Completion - 09/30/97					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	16564.0	508.0	1500.0	14384.0	19844.0	14040.0
FAA Personnel Costs	2708.0	946.0	1110.0	1177.0	1224.0	1273.0
Services (Commercial & Other Govt.)	41960.0	9293.0	12788.0	34648.0	34547.0	39240.0
Other Costs	122.0	183.0	87.0	94.0	94.0	94.0
Total Expenditures:	61352.0	10930.0	15485.0	50303.0	55709.0	54647.0

Major Related Development Projects:

Major Related Ongoing Systems:

250602 Aviation Safety Analysis System (ASAS)

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

7.0 FINANCIAL RESOURCES INFORMATION AREA

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The Financial Resources Information Area provides information to three groups: the general public, agencies external to the FAA, and internal agency management. Financial information is composed of four distinct activities: budget management, financial accounting, payroll, and other fiscal processes.

Until 1979, the Financial Resources Information Area was characterized by decentralization of systems, heavy reliance on manual processes, and duplicate entry of common transactions into a variety of independent and specialized subsystems.

Since then, there have been major automated systems introduced with implementation taking place at this time. The FAA Uniform Accounting System has been adopted by the Department of Transportation as the model system to be used agency-wide. The Office of Budget has begun implementation of a Budget Information System that will incorporate information from the agency's accounting, payroll, and personnel systems, as well as including agency financial plans. The integration of key data from these various systems will provide a central repository of information that will be available to members of the FAA budget community.

INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are $3,174.2 thousand.

BUDGET CATEGORY	FY 92	FY 93	FY 94	FY 95	FY 96
CAPITAL INVESTMENTS	213.0	435.0	25.0	0.0	0.0
FAA PERSONNEL COSTS	280.0	240.0	10.0	0.0	0.0
SERVICES (Contracts & Other GOL)	875.0	799.2	225.0	0.0	0.0
OTHER COSTS	37.5	28.0	6.5	0.0	0.0
TOTAL ($000)	1405.5	1502.2	266.5	0.0	0.0

INFORMATION RESOURCES DEVELOPMENT PROJECTS

Presented on the following page is a list summarizing the development projects associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. Figures shown in the *Total Cost* column include costs outside the five-year FY89-FY93 time frame. More detailed information, such as the responsible organization, milestones, and cost breakdowns, may be found in *the Project Summaries* which follow.

DEVELOPMENT PROJECTS LIST

Project Number	Project Title	Schedule Start/ Complete	Total Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
010701	Permanent Change of Station Tax System	APR-89 SEP-90	66.2	5	2.6	63
010708	Budget Information System	MAR-83 SEP-90	3725.0	5	4	63
230701	Research, Engineering, and Development Monitoring, Analysis, and Control System (REDMACS)	FEB-89 MAR-91	1360.0	1,2,5	1,3,4	33,63
TOTAL			5144.2			

FAA Missions Supported:

1 Promotion of aviation safety.

2 Efficient utilization of airspace.

5 Effkient and economical program administration.

FAA Goals Supported:

1 Enhance U.S. Aviation Safety.

2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.

3 Develop, refine and implement FAA programs and long-range plans.

4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.

6 Reduce regulatory and administrative burden.

FAA **FY89** Objectives Supported:

THE NAS PLAN:

33 Publish a Research, Engineering, and Development **(R,E,&D)** Plan.

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

PERMANENT CHANGE OF STATION TAX SYSTEM

Project No.: 010701

Purpose:

Eliminate the duplication of effort between the accounting and payroll offices concerning employees' PCS data in DAFIS.

IRMP Information Area: Financial Resources

Total Development Costs ($000): 59.2

Responsible Organization: AAA-400

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 04/30/89					
System Piloted in AEA and Operational		▲			
System Adopted for National Use		▲			
Begin Installation of System in Accounting Offices					
Complete Installation of System in Accounting Offices			▼		
Project Completion - 09/30/90					

▲ Scheduled ▼ Rescheduled ◆ Comoleted

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	0.0	0.0	30.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	29.2	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	0.0	0.0	59.2	0.0	0.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

120706 Financial Management Information System

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

PERMANENT CHANGE OF STATION TAX SYSTEM

Project No.: 010701

Purpose:

Eliminate the duplication of effort between the accounting and payroll offices concerning employees' PCS data in DAFIS.

IRMP Information Area: Financial Resources

Total Development Costs ($000): 59.2

Responsible Organization: AAA-400

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 04/30/89					
System Piloted in AEA and Operational	A				
System Adopted for National Use	▲				
Begin Installation of System in Accounting Offices	▲				
Complete Installation of System in Accounting Offices			▼		
Project Completion - 09/30/90					

A Scheduled ▼ Rescheduled ◆ Comoleted

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	0.0	0.0	30.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	29.2	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	0.0	0.0	59.2	0.0	0.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

120706 Financial Management Information System

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

RESEARCH, ENGINEERING, AND DEVELOPMENT MONITORING, ANALYSIS, AND CONTROL SYSTEM (REDMACS)

Project No.: 230701

Purpose:

Provide automated tools for the formulation and execution of the Agency RE&D budget, preparation of the RE&D plan, and establishment of a database for all RE&D projects and funding.

IRMP Information Area: Financial Resources

Total Development Costs ($000): 1360.0

Responsible Organization: AMC-200

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 02/28/89					
General Systems Design					
Budget Formulation Module Complete					
Database for Budget Complete					
Procurement Module Complete					
Database for Projects Complete					
Project Tracking Module Complete					
RE&D Plan Module Complete					
Control Module Complete					
Project Scheduling Complete					
Project Completion - 03/31/91					

A Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	65.0	85.0	25.0	0.0	0.0
FAA Personnel Costs	0.0	30.0	60.0	10.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	400.0	420.0	225.0	0.0	0.0
Other Costs	0.0	5.5	8.0	6.5	0.0	0.0
Total Expenditures:	0.0	520.5	573.0	266.5	0.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

8.0 HUMAN RESOURCES INFORMATION AREA

Human Resources information is now produced and managed at a variety of levels within the FAA. Automated and manual systems deal with employment, civil rights and equal employment opportunity, health and safety, pay and position management, training, and labor relations functional activities. Many of these systems are, or are being, automated. All share resources and interface with other systems. This will result in reduced duplication of effort and increased productivity.

Human Resources information resource management goals address the capability of a group of inter-related systems sharing hardware, software, telecommunications, and common data elements.

INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are $6,891.8 thousand.

BUDGET CATEGORY	FY89	FY90	FY91	Em	FY93
CAPITAL INVESTMENTS	412.6	333.1	185.0	50.0	50.0
FAA PERSONNEL COSTS	77.8	92.6	82.6	29.8	29.8
SERVICES (Commercial & Other Govt.)	287.4	1539.6	1531.0	1022.0	1022.0
OTHER COSTS	42.0	64.5	20.0	10.0	10.0
TOTAL ($000)	8 19.8	2029.8	1818.6	1111.8	1111.8

INFORMATION RESOURCES DEVELOPMENT PROJECTS

Presented below and on the following page is a list summarizing the development projects associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. Figures shown in the *Total Cost* column include costs outside the five-year FY89-FY93 time frame. More detailed information, such as the responsible organization, milestones, and cost breakdowns, may be found *in the Project Summaries* which follow.

DEVELOPMENT PROJECTS LIST

Project Number	Project Title	Schedule Start/ Complete	Total Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
220801	MATES - Module Assessment Testing, Examining, and Screening	JAN-88 SEP-90	3222.2	1,5	1,3,4,5,6	63
220802	Supervisory Identification and Development Program (SIDP)	SEP-88 APR-88	463.8	1	1	63,71
220803	Merit Promotion Plan (MPP)	JUN-92	326.0	1,5	4,6	71

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INFORMATION RESOURCES DEVELOPMENT COSTS

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BUDGET CATEGORY	FY89	FY90	FY91	FY92	FY93
CAPITAL INVESTMENTS	412.6	333.1	185.0	50.0	50.0
FAA PERSONNEL COSTS	77.8	92.6	82.6	29.8	29.8
SERVICES (Commercial & Other Gov't)	287.4	1539.6	1531.0	1022.0	1022.0
OTHER COSTS	42.0	64.5	20.0	10.0	10.0
TOTAL ($000)	819.8	2029.8	1818.6	1111.8	1111.8

INFORMATION RESOURCES DEVELOPMENT PROJECTS

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DEVELOPMENT PROJECTS LIST

Project Number	Project Title	Schedule Start/ Complete	Total Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
220801	MATES - Module Screening, Examining, and Assessment Testing,	JAN-88 SEP-90	3222.2	1,5	1,3,4,5,6	63
220802	Supervisory Identification and Development Program (SIDP)	SEP-88 APR-88	483.6	1	1	63,71
220803	Merit Promotion Plan (MPP)	JUNE-92	326.0	1,5	4,6	71

MATES - MODULAR APPLICANT TESTING, EXAMINING, AND SCREENING

Project No.: 220801

Purpose:

Streamline the hiring process for Air Traffic Controller applicants from 6-18 months down to 45-60 days. Expand to other FAA occupations.

IRMP Information Area: Human Resources

Total Development Costs ($000): 3222.2

Responsible Organization: APN-200

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 01/01/88					
Procure Exam Hardware (Optical Scanners)	(Completed 04/30/88)				
Fill Test Examiner and Security Positions	(Completed 05/31/88)				
Administer Tests, Fast Track 90+ Scores	(Completed 08/30/88)				
Develop Recruitment Floppy Disk Software	▼				
Automate ATC Test		▼			
Procure Automated Test Hardware		▼			
Reprogram OPM Database		▼			
Project Completion - 09/30/90					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	805.0	122.6	150.0	150.0	50.0	50.0
FAA Personnel Costs	210.0	73.0	77.8	77.8	25.0	25.0
Services (Commercial & Other Govt.)	80.0	181.0	200.0	260.0	85.0	85.0
Other Costs	110.0	15.0	15.0	15.0	10.0	10.0
Total Expenditures:	1205.0	391.6	442.8	502.8	170.0	170.0

Note: Expenditure plan may include operational costs in years following project completion.

Major Related Development Projects:

220809 EGATS - Automated Personnel Action Processing

Major Related Ongoing Systems:

220816 Consolidated Personnel Management Information System (CPMIS)

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

SUPERVISORY IDENTIFICATION AND DEVELOPMENT PROGRAM (SIDP)

Project No.: 220802

Purpose:

Provide automated support for the management of the SIDP.

IRMP Information Area: Human Resources

Total Development Costs ($000): 483.8

Responsible Organization: AHD

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 09/01/88					
Software Modified	Completed (09/01/88)				
Software Installed on Data General Systems	●				
Programs Ready for National Use	●				
Implement Programs for National Use for AF		▲			
Implement Programs for National Use for AC		▲			
Implement Upgraded Programs for National Use for AT, AF, AC					
Project Completion - 09/30/90					

▲ Scheduled ▼ Rescheduled ★ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	40.0	20.0	35.0	0.0	0.0
FAA Personnel Costs	0.0	4.8	4.8	4.8	4.8	4.8
Services (Commercial & Other Govt.)	0.0	15.0	270.0	5.0	5.0	5.0
Other Costs	0.0	5.0	5.0	5.0	0.0	0.0
Total Expenditures:	0.0	64.8	299.8	49.8	9.8	9.8

Note: Expenditure plan may include operational costs in years following project completion.

Major Related Development Projects:

220801 MATES - Modular Applicant Testing, Examining, and Screening

220809 EGATS - Automated Personnel Action Processing

Major Related Ongoing Systems:

220816 Consolidated Personnel Management Information System (CPMIS)

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

MERIT PROMOTION PLAN (MPP)

Project No.: 220803

Purpose:

Replace manual methods of the MPP-Appendix 9 bidding process.

IRMP Information Area: Human Resources

Total Development Costs ($000): 326.0

Responsible Organization: APN-200

Major Milestones	FY89	FY90	FYQ1	FYQ2	FY93
Project Start - 04/30/88					
System Requirements	(Completed 06/30/88)				
System Definition	(Completed 09/30/88)				
System Design	•				
System Programming	•				
System Test: Beta Test Phase		▲			
System Test: Evaluation		▲			
System Test: Development of Methodology		▲			
System Installation		▲			
Project Completion - 06/30/92					

A Scheduled ▼ Rescheduled *Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FYQ1	FY92	FY93
Capital Investments	0.0	0.0	54.0	0.0	0.0	0.0
FAA Personnel Costs	0.0	0.0	10.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	140.0	109.0	0.0	0.0
Other Costs	0.0	0.0	13.0	0.0	0.0	0.0
Total Expenditures:	0.0	0.0	217.0	109.0	0.0	0.0

Note: Expenditure plan under development.

Major Related Development Projects:

220802 Supervisory Identification and Development Program (SIDP)

Major Related Ongoing Systems:

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

MERIT PROMOTION PLAN (MPP)

Project No.: 220803

Purpose:

Replace manual methods of the MPP-Appendix 9 bidding process.

IRMP Information Area: Human Resources

Total Development Costs ($000): 326.0

Responsible Organization: APN-200

Major Milestones	FY89	FY90	FYQ1	FYQ2	FY93
Project Start - 04/30/88					
System Requirements	(Completed 06/30/88)				
System Definition	(Completed 09/30/88)				
System Design	•				
System Programming	•				
System Test: Beta Test Phase		▲			
System Test: Evaluation		▲			
System Test: Development of Methodology		▲			
System Installation		▲			
Project Completion - 06/30/92					

A Scheduled ▼ Rescheduled *Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FYQ1	FY92	FY93
Capital Investments	0.0	0.0	54.0	0.0	0.0	0.0
FAA Personnel Costs	0.0	0.0	10.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	140.0	109.0	0.0	0.0
Other Costs	0.0	0.0	13.0	0.0	0.0	0.0
Total Expenditures:	0.0	0.0	217.0	109.0	0.0	0.0

Note: Expenditure plan under development.

Major Related Development Projects:

220802 Supervisory Identification and Development Program (SIDP)

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of quarters.

PERFORMANCE APPRAISAL SYSTEM (PAS)

Project No.: 220805

Purpose:

Provide automated support for performance appraisal process.

IRMP Information Area: Human Resources

Total Development Costs ($000): 50.0

Responsible Organization: AHD

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 10/01/89					
Establish Functional Requirements		▲			
Complete System Development					
Complete System Implementation					
Project Completion - 09/30/90					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	50.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	0.0	0.0	50.0	0.0	0.0	0.0

Major Related Development Projects:

220809 EGATS - Automated Personnel Action Processing

Major Related Ongoing Systems:

220816 Consolidated Personnel Management Information System (CPMIS)

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

EGATS - AUTOMATED PERSONNEL ACTION PROCESSING

Project No.: 220809

Purpose:

Replace manual methods of requesting and processing personnel actions.

IRMP Information Area: Human Resources

Total Development Costs ($000): 519.2

Responsible Organization: APN-200

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 09/01/85					
Stand-Alone Regional System Completed (10/30/87)		●			
Upload Interface to CPMIS		▼			
Initial Training and Implementation of Full System				.....	
Complete Implementation					
Project Completion - 06/30/90				.....	
				.....	

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	250.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	154.2	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	115.0	0.0	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	269.2	250.0	0.0	0.0	0.0	0.0

Note: Expenditure plan under development.

Major Related Development Projects:

220810 Trimate - Extension of Training Subsystem to Field Office Facility Level

Major Related Ongoing Systems:

010722 Department-Wide Consolidated Uniform Payroll System (CUPS)

220816 Consolidated Personnel Management Information System (CPMIS)

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

TRIMATE - EXTENSION OF TRAINING SUBSYSTEM TO FIELD OFFICE FACILITY LEVEL

Project No.: 220810

Purpose:

Define and implement procedures to give field facility management direct access to training data.

IRMP Information Area: Human Resources

Total Development Costs ($000): 1141.0

Responsible Organization: AHT

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 12/31/85					
Stand-Alone Regional System (Completed 10/30/87)					
Upload Interface to CPMIS	●				
Download Interface to Field		◆			
Requirements Upload Process		▼			
Initial Training and Implementation of Full System			▲		
Quota Management Subsystem				▼	
Complete Implementation			t		t
Project Completion - 06/30/91					

A Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	49.1	0.0	0.0	0.0
FAA Personnel Costs	436.9	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	*357.5*	91.4	159.6	0.0	0.0	0.0
Other Costs	0.0	*22.0*	*24.5*	*0.0*	*0.0*	*0.0*
Total Expenditures:	794.4	113.4	233.2	0.0	0.0	0.0

Note: Expenditure plan under development.

Major Related Development Projects:

220801 MATES - Modular Applicant Testing, Examining, and Screening
220804 Training Management Information System
220809 EGATS - Automated Personnel Action Processing

Major Related Ongoing Systems:

041006 Maintenance Management System (MMS)
220816 Consolidated Personnel Management Information System (CPMIS)

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

TRIMATE - EXTENSION OF TRAINING SUBSYSTEM TO FIELD OFFICE FACILITY LEVEL

Project No.: 220810

Purpose:

Define and implement procedures to give field facility management direct access to training data.

IRMP Information Area: Human Resources

Total Development Costs ($000): 1141.0

Responsible Organization: AHT

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 12/31/85					
Stand-Alone Regional System (Completed 10/30/87)					
Upload Interface to CPMIS	●				
Download Interface to Field		◆			
Requirements Upload Process		▼			
Initial Training and Implementation of Full System			▲		
Quota Management Subsystem				▼	
Complete Implementation			t		t
Project Completion - 06/30/91					

A Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	49.1	0.0	0.0	0.0
FAA Personnel Costs	436.9	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	*357.5*	91.4	159.6	0.0	0.0	0.0
Other Costs	0.0	*22.0*	*24.5*	*0.0*	*0.0*	*0.0*
Total Expenditures:	794.4	113.4	233.2	0.0	0.0	0.0

Note: Expenditure plan under development.

Major Related Development Projects:

220801 MATES - Modular Applicant Testing, Examining, and Screening
220804 Training Management Information System
220809 EGATS - Automated Personnel Action Processing

Major Related Ongoing Systems:

041006 Maintenance Management System (MMS)
220816 Consolidated Personnel Management Information System (CPMIS)

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

9.0 MATERIEL RESOURCES INFORMATION AREA

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The primary purpose of Materiel Resources is to provide the time and place utility for the equipment, real estate and space, spare/repair parts, supplies, and supporting services needed to establish, operate, manage, maintain, and eventually dispose of NAS facilities and agency aircraft. Materiel Resources is an area that operated in an environment of extensive and often antiquated laws and regulations and a high vulnerability to waste, mismanagement, fraud, and abuse. This program is responsible for the management and control of agency assets valued at nearly three billion dollars.

INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are **$13,846.4** thousand.

BUDGET CATEGORY	FY89	FY90	FY91	FY92	FY93
CAPITAL INVESTMENTS	350.0	150.0	150.0	50.0	50.0
FAA PERSONNEL COSTS	1714.9	1771.3	1879.2	179.0	150.0
SERVICES (Contracts & other Gov't.)	2887.0	2466.0	1462.0	192.0	170.0
OTHER COSTS	75.0	75.0	75.0	0.0	0.0
TOTAL ($000)	5026.9	4462.3	3566.2	421.0	370.0

INFORMATION RESOURCES DEVELOPMENT PROJECTS

Presented on the following page is a list summarizing the development projects associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. Figures shown in the *Total* Cost column include costs outside the five-year FY89-FY93 time frame. More detailed information, such as the responsible organization, milestones, and cost breakdowns, may be found in *the Project Summaries* which follow.

DEVELOPMENT PROJECTS LIST

Project Number	Project Title	Schedule Start/ Complete	Total Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
010907	Personal Property In-Use Management System III	JAN-65 JAN-84	1629.0	5	3,6	63
010910	System for Acquisition Management	JUN-83	3690.6	5	4,6	63
100806	Logistics and Inventory System (LIS)	NOV-82 NOV-91	24731.8	1,2,3,4,5	1,2,3,4,6,7	63
130912	Technical Center Logistics Information System	AUG-83 DEC-89	1660.0	1,5	3,4	63
TOTAL			31B01.4			

FAA Missions Supported:

1 Promotion of aviation safety.
2 Efficient utilization of airspace.
3 Promotion of air commerce and aviation at home and abroad.
4 Fulfillment of national defense requirements.
5 Efficient and economical program administration.

FAA Goals Supported:

1 Enhance U.S. Aviation Safety.
2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.
3 Develop, refine and implement FAA programs and long-range plans.
4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.
6 Reduce regulatory and administrative burden.
7 Promote USA/FAA pre-eminence in the world aviation community.

FAA FY89 Objectives Supported:

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

DEVELOPMENT PROJECTS LIST

Project Number	Project Title	Schedule Start/ Complete	Total Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
010907	Personal Property In-Use Management System III	JAN-65 JAN-84	1629.0	5	3,6	63
010910	System for Acquisition Management	JUN-83	3690.6 m.6	5	4,6	63
100806	Logistics and Inventory System (LIS)	NOV-82 NOV-91	24731.8	1,2,3,4,5	1,2,3,4,6,7	63
130912	Technical Center Logistics Information System	AUG-88 DEC-89	1650.0	1,5	3,4	63
TOTAL			31B01.4			

FAA Missions Supported:

1 Promotion of aviation safety.
2 Efficient utilization of airspace.
3 Promotion of air commerce and aviation at home and abroad.
4 Fulfillment of national defense requirements.
5 Efficient and economical program administration.

FAA Goals Supported:

1 Enhance U.S. Aviation Safety.
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3 Develop, refine and implement FAA programs and long-range plans.
4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.
6 Reduce regulatory and administrative burden.
7 Promote USA/FAA pre-eminence in the world aviation community.

FAA FY89 Objectives Supported:

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

SYSTEM FOR ACQUISITION MANAGEMENT

Project No.: 010910

Purpose:

Design, develop, and implement an agency-wide procurement management system which prepares and tracks procurement requests and which administers contracts after award.

IRMP Information Area: Materiel Resources

Total Development Costs ($000): 3690.6

Responsible Organization: ALG-10

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 01/01/84					
Regional Procurement	(Completed 03/31/86)				
ACT Procurement	(Completed 12/01/86)				
ALG Procurement					
Award Module Rewrite					
Implementation of DAFIS/SAM Interface Complete			▲		
Conversion to CORN Environment			▲		
Conversion to DBMS Environment Under CORN				▲	
Interface with Materiel System					▲
Project Completion - 06/30/93					

▲ Scheduled ▼ Rescheduled ● Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	200.0	50.0	50.0	50.0	50.0	50.0
FAA Personnel Costs	857.0	139.9	143.9	147.8	150.0	150.0
Services (Commercial & Other Govt.)	1087.0	90.0	70.0	65.0	170.0	170.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	2144.0	279.9	263.9	262.8	370.0	370.0

Major Related Development Projects:

- 010907 Personal Property In-Use Management System III
- 130912 Technical Center Logistics Information System

Major Related Ongoing Systems:

- 010997 System for Acquisition Management - Headquarters Extension
- 110910 System Acquisition Management (SAM), AAL

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

LOGISTICS AND INVENTORY SYSTEM (LIS)

Project No.: 100996

Purpose:

Help design and implement a fully-integrated supply support system for the FAA.

IRMP Information Area: Materiel Resources

Total Development Costs ($000): 24731.8

Responsible Organization: AAC-420

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 11/03/82					
Initial Phase (Total LIS)	(Completed 01/01/84)				
Project Materiel	(Completed 05/06/85)				
USD	(Completed 05/27/86)				
Interim Online Requisitioning (Pilot Program))	(Completed 08/15/86)				
Cataloging	(Completed 10/06/86)				
Customer Service Evalution	(Completed 02/11/88)				
Name and Address Change Request System	(Completed 05/15/88)				
Government Bill of Lading (GBL)	◆				
Engineering Database	◆				
Automated Procurement Request System		▼			
Core LIS System			▼		
Total LIS System				▼	
Project Completion - 11/01/91					

A Scheduled ▼ Rescheduled ★ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	731.8	300.0	100.0	100.0	0.0	0.0
FAA Personnel Costs	7190.1	1446.0	1598.4	1702.4	0.0	0.0
Services (Commercial & Other Govt.)	4835.6	2375.0	2375.0	1375.0	0.0	0.0
Other Costs	377.5	75.0	75.0	75.0	0.0	0.0
Total Expenditures:	13135.0	4196.0	4148.4	3252.4	0.0	0.0

Major Related Development Projects:

010907 Personal Property In-Use Management System III

Major Related Ongoing Systems:

010993 National Supply System
041006 Maintenance Management System (MMS)
100976 Fedstrip/Milstrip
100992 Depot Production Control
100993 Item Identification

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

TECHNICAL CENTER LOGISTICS INFORMATION SYSTEM

Project No.: 130912

Purpose:

Improve the efficiency of the Technical Center's logistics process by developing a comprehensive logistics information system.

IRMP Information Area: Materiel Resources

Total Development Costs ($000): 1650.0

Responsible Organization: ACM-500

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 08/01/83					
Evaluate to Logistics Process	(Completed 10/15/83)				
Define System Requirements	(Completed 03/20/84)				
Develop System Specifications	(Completed 11/30/85)				
Prototype Implementation	◆				
Complete Implementation		▼			
Project Completion - 12/01/89					

A Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	185.0	100.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	965.0	400.0	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	1150.0	500.0	0.0	0.0	0.0	0.0

Major Related Development Projects:

- 010907 Personal Property In-Use Management System III
- 010910 System for Acquisition Management
- 100906 Logistics and Inventory System (LIS)

Major Related Ongoing Systems:

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

TECHNICAL CENTER LOGISTICS INFORMATION SYSTEM

Project No.: 130912

Purpose:

Improve the efficiency of the Technical Center's logistics process by developing a comprehensive logistics information system.

IRMP Information Area: Materiel Resources

Total Development Costs ($000): 1650.0

Responsible Organization: ACM-500

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 08/01/83					
Evaluate to Logistics Process	(Completed 10/15/83)				
Define System Requirements	(Completed 03/20/84)				
Develop System Specifications	(Completed 11/30/85)				
Prototype Implementation	◆				
Complete Implementation		▼			
Project Completion - 12/01/89					

A Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	185.0	100.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	965.0	400.0	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	1150.0	500.0	0.0	0.0	0.0	0.0

Major Related Development Projects:

- 010907 Personal Property In-Use Management System III
- 010910 System for Acquisition Management
- 100906 Logistics and Inventory System (LIS)

Major Related Ongoing Systems:

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

10.0 NATIONAL AIRSPACE SYSTEM (NAS) FACILITIES INFORMATION AREA

The Associate Administrator for Airways Facilities (AAF), supporting and working with the Airway Facilities (AF) Division of FAA regions, has responsibility for maintaining airway facilities and developing major improvements in the National Airspace System (NAS) in accordance with the NAS Plan. The major functions of AF include: maintaining and operating over 20,000 NAS facilities and related equipment; conducting R&D programs in excess of $300 million annually to support the NAS modernization; implementing Facilities and Equipment (F&E) programs using one billion dollars annually in accordance with the NAS Plan; providing technical and engineering support; and managing and administering AF organizations consisting of over 12,000 employees and several hundred contracts.

The NAS Management Automation Program (NASMAP) calls for the development and implementation of a single information system which, through several phases, will evolve into an efficient, cost-effective, and comprehensive technical and administrative network.

INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are $8400.0 thousand.

BUDGET CATEGORY	FY89	FY90	FY91	FY92	FY93
CAPITAL INVESTMENTS	0.0	600.0	500.0	0.0	0.0
FAA PERSONNEL COSTS	0.0	0.0	0.0	0.0	0.0
SERVICES (Commercial & Other Gov't)	0.0	1500.0	1700.0	2200.0	1900.0
OTHER COSTS	0.0	0.0	0.0	0.0	0.0
TOTAL ($000)	0.0	2100.0	2200.0	2200.0	1900.0

INFORMATION RESOURCES DEVELOPMENT PROJECTS

Presented on the following page is a list summarizing the development projects associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. Figures shown in the *Total Cost* column include costs outside the five-year FY89-FY93 time frame. More detailed information, such as the responsible organization, milestones, and cost breakdowns, may be found in *the Project Summaries* which follow.

10.0 NATIONAL AIRSPACE SYSTEM (NAS) FACILITIES INFORMATION AREA

The Associate Administrator for Airways Facilities (AAF), supporting and working with the Airway Facilities (AF) Division of FAA regions, has responsibility for maintaining airway facilities and developing major improvements in the National Airspace System (NAS) in accordance with the NAS Plan. The major functions of AF include: maintaining and operating over 20,000 NAS facilities and related equipment; conducting R&D programs in excess of $300 million annually to support the NAS modernization; implementing Facilities and Equipment (F&E) programs using one billion dollars annually in accordance with the NAS Plan; providing technical and engineering support; and managing and administering AF organizations consisting of over 12,000 employees and several hundred contracts.

The NAS Management Automation Program (NASMAP) calls for the development and implementation of a single information system which, through several phases, will evolve into an efficient, cost-effective, and comprehensive technical and administrative network.

INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are $8400.0 thousand.

BUDGET CATEGORY	FY89	FY90	FY91	FY92	FY93
CAPITAL INVESTMENTS	0.0	600.0	500.0	0.0	0.0
FAA PERSONNEL COSTS	0.0	0.0	0.0	0.0	0.0
SERVICES (Commercial & Other Gov't)	0.0	1500.0	1700.0	2200.0	1900.0
OTHER COSTS	0.0	0.0	0.0	0.0	0.0
TOTAL ($000)	0.0	2100.0	2200.0	2200.0	1900.0

INFORMATION RESOURCES DEVELOPMENT PROJECTS

Presented on the following page is a list summarizing the development projects associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. Figures shown in the *Total Cost* column include costs outside the five-year FY89-FY93 time frame. More detailed information, such as the responsible organization, milestones, and cost breakdowns, may be found in *the Project Summaries* which follow.

TELECOMMUNICATIONS INFORMATION MANAGEMENT SYSTEM (TIMS)

Project No.: 041001

Purpose:

Support operations and management of TM&O assets and resources

IRMP Information Area:

National Airspace System (NAS) Facilities

Total Development Costs ($000): 10400.0

Responsible Organization: ASM-300

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 04/30/87					
Regional/Facility Requirements Definition					
National Requirements Definition					
FAA System Assessment					
Industry Methods Survey					
Requirements Consolidation					
Alternatives Development					
Cost/Benefits					
Final Assessment					
Management Decision Paper					
Project Completion - 12/31/95					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY02	FY03
Capital Investments	0.0	0.0	600.0	500.0	0.0	0.0
FAA Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	1500.0	1700.0	2200.0	1900.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	0.0	0.0	2100.0	2200.0	2200.0	1900.0

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

TELECOMMUNICATIONS INFORMATION MANAGEMENT SYSTEM (TIMS)

Project No.: 041001

Purpose:

Support operations and management of TM&O assets and resources

IRMP Information Area:

National Airspace System (NAS) Facilities

Total Development Costs ($000): 10400.0

Responsible Organization: ASM-300

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 04/30/87					
Regional/Facility Requirements Definition					
National Requirements Definition					
FAA System Assessment					
Industry Methods Survey					
Requirements Consolidation					
Alternatives Development					
Cost/Benefits					
Final Assessment					
Management Decision Paper					
Project Completion - 12/31/95					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	600.0	500.0	0.0	0.0
FAA Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	1500.0	1700.0	2200.0	1900.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	0.0	0.0	2100.0	2200.0	2200.0	1900.0

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

11.0 OFFICE INFORMATION AND MANAGEMENT SUPPORT INFORMATION AREA

DEVELOPMENT PROJECTS LIST

Project Number	Project Title	Schedule Start/ Complete	Total Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
011101	Travel Accountability System (TAS)	APR-89 SEP-90	195.6	5	2,6	63
011102	National Automated Travel System (NATS)	MAR-89 SEP-91	121.0	5	4	63
011103	FAAMIS - Executive information System (EXIS)	OCT-66 JAN-92	2107.5	5	2,4,6	63
011194	Electronic Time & Attendance Management System (ETAMS)	JAN-88 SEP-92	2036.0	5	2,4	63
011108	Data Administration	OCT-83 APR-91	2698.6	5	3,6	61,63
011115	Office Automation (ALG)	DEC-83 JUN-91	3012.8	5	4	63
011122	Office Automation Technology and Services (OATS)	FEB-86 JAN-90	2196.2	5	1,4,6	63
011199	information Resources Management Plan (IRMP) Automation	JAN-84 MAR-90	1457.8	5	3,4	61,63
061107	Civil Aviation Information/Aviation Education Clearinghouse Timesharing Database	JAN-88 SEP-92	156.0	1,3,5	1,3,4,6,7	63
071101	Office Automation, Phase I (API)	OCT-83 DEC-89	3916.4	1,3,5	1,2,6	63
071102	Office Automation/Networking and Connectivity	OCT-89 JUN-92	1367.3	1,3,5	2,4,7	63
101101	Office Automation, Aeronautical Center	MAY-84 SEP-92	203x.5	5	1,3,4	51,63,73
121103	Office Automation/Networking and Connectivity	OCT-88 SEP-93	050.0	5	2,4,6	63
121104	Office Automation and Networking	APR-89 SEP-92	536.0	5	2,4,6	63
121165	Office Automation/Networking (Air Traffic Regional Offii)	APR-89 JUN-91	132.5	5	2,4,6	63
121106	Office Automation/Networking (5 ATCT HUBS)	SEP-91 JUN-94	425.0	5	2,4,6	63
121109	Office Automation/Networking (ZKC ARTCC)	MAR-90 SEP91	190.0	5	2,4,6	63
141113	Office Automation - Eastern Region	JUN-84 SEP-93	12543.7 12543.7	5 5	2	63
161102	Office Automation/Local Area Network	MAR-88 SEP-90	2393.3	5	2,4	63
171101	Office Automation, Northwest Mountain Region	SEP-94 SEP-97	5943.4	1,5	2,4,6	20,42,63, 71,73
161107	ASO Office Automation	OCT-84 SEP-93	3147.0	5	1,4	51,63,71
191101	Automated Management Information, Southwest Region (SWAMI)	AUG-84 DEC-91	6559.0 6559.0	1,5 'I5	2,3,4	61,62,63
191105	Office Automation Network for Regional Administrator's Management Team	NOV-84 APR-90	1665.0	1,5	1,4,6	61,63
101112	Office Automation Pilot - Resource Management Division	NOV-84 MAR-90	1098.0 1os3.0	1,5 'I5	2,3,6	61,63
201101	Office Automation, Financial & Management Resources Division	JAN-90 SEP-93	1635.0 w35.0	5 5	2,4,6	63
231101	Office Automation (ADM)	OCT-89 OCT-93	1436.0	1,2,5	1,4	32,33,63
241101	NAS Management Office Automation Program (NASMAP)	JAN-88 SEP-95	7165.0	1,2,4,5	3,4,6	32
TOTAL			149599.4			

FAA Missions Supported:
1 Promotion of aviation safety.
2 Efficient utilization of airspace.
3 Promotion of air commerce and aviation at home and abroad.
4 Fulfillment of national defense requirements.
5 Efficient and economical program administration.

FAA **Goals** Supported:

1 Enhance U.S. Aviation Safety.

2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.

3 Develop, refine and implement FAA programs and long-range plans.

4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.

6 Reduce regulatory and administrative burden.

7 Promote USA/FAA **pre-eminence** in the world aviation community.

FM **FY89** Objectives Supported:

CAPACITY:

23 Assist state and local governments in planning for new airport construction, and in expanding the capacity of existing airports.

THE NAS PLAN:

32 Maintain the thrust of the National Airspace System Plan and achieve 90% of the published milestones, as reflected in the FY89 schedule.

33 Publish a Research, Engineering, and Development **(R,E,&D)** Plan.

GOVERNMENT/INDUSTRY PROMOTION OF AVIATION:

42 Expand the Minnesota **"partnership" example** of working closely with state governments to coordinate research programs, aviation career education and training programs, and airport and general aviation planning.

FAA TRAINING:

51 Update FAA training to meet 1990's technologies by establishing a new office of training and higher education, by conducting three prototype projects in conjunction with universities and industry, and by hosting two symposia on FAA job-related training.

MANAGEMENT/COMMUNICATION:

61 Issue the operating procedures to **further** implement straight-line management.

62 Increase the use of video conferencing to improve agency-wide communications.

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

HUMAN RELATIONS:

7 1 Emphasize professionalism and pride in the FAA work force and increase its involvement in decision-making by taking positive action at all levels of the agency in response to the SFA and by developing a succession plan for career leadership positions.

73 Improve recruitment of the FAA work force by shortening the hiring process for ATC **specialists** by at least two-thirds, by meeting the FY89 work force targets, and by developing an alternative compensation program for all safety-related occupations.

FAA **Goals** Supported:

1 Enhance U.S. Aviation Safety.

2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.

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73 Improve recruitment of the FAA work force by shortening the hiring process for ATC **specialists** by at least two-thirds, by meeting the FY89 work force targets, and by developing an alternative compensation program for all safety-related occupations.

NATIONAL AUTOMATED TRAVEL SYSTEM (NATS)

Project No.: 011102

Purpose:

Provide a comprehensive, automated travel system encompassing the creation of travel orders, travel advance requests, and travel voucher computations.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 121.0

Responsible Organization: MA-400

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 03/01/89					
Programming			▼		
Testing and Evaluation			▼		
Implementation					
Project Completion - 09/30/91					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	15.0	20.0	0.0	0.0
FAA Personnel Costs	0.0	28.5	28.5	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	29.0	0.0	0.0	0.0
Total Expenditures:	0.0	28.5	72.5	20.0	0.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

120706 Financial Management Information System
180703 Accounting (Travel Advance))
220816 Consolidated Personnel Management Information System (CPMIS)

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

FAAMIS - EXECUTIVE INFORMATION SYSTEM (EXIS)

Project No. 011103

Purpose:

Provide a single focus for agency executives to obtain essential information from the wide variety of interagency systems and from other pertinent sources.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 2107.5

Responsible Organization: AMS-420

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 10/01/88					
Prototype Implemented	●				
Project Request Document		▼			
Requirements, Cost/Benefit Analyses, and Feasibility Study		▼			
Management Decision Paper, Ed. 1		▼			
System Design Specifications			▲		
Management Decision Paper, Ed. 2			▲		
Programming and Testing			▲		
Management Decision Paper, Ed. 3			▲		
System Installation				▲	
Project Completion - 01/31/92				▲	

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	50.0	50.0	100.0	0.0	0.0
FAA Personnel Costs	0.0	162.5	227.5	227.5	65.0	0.0
Services (Commercial & Other Govt.)	350.0	200.0	300.0	200.0	100.0	0.0
Other Costs	0.0	20.0	25.0	25.0	5.0	0.0
Total Expenditures:	350.0	432.5	602.5	552.5	170.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

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Project No. 011103

Purpose:

Provide a single focus for agency executives to obtain essential information from the wide variety of interagency systems and from other pertinent sources.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 2107.5

Responsible Organization: AMS-420

Major Milestones	FY89	FYQO	FYQ1	FY92	FY93
Project Start - 10/01/88					
Prototype Implemented	●				
Project Request Document		▼			
Requirements, Cost/Benefit Analyses, and Feasibility Study		▼			
Management Decision Paper, Ed. 1			▲		
System Design Specifications			▲		
Management Decision Paper, Ed. 2			▲		
Programming and Testing			▲		
Management Decision Paper, Ed. 3				▲	
System Installation				▲	
Project Completion - 01/31/92				◆	

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	50.0	50.0	100.0	0.0	0.0
FAA Personnel Costs	0.0	162.5	227.5	227.5	65.0	0.0
Services (Commercial & Other Govt.)	350.0	200.0	300.0	200.0	100.0	0.0
Other Costs	0.0	20.0	25.0	25.0	5.0	0.0
Total Expenditures:	350.0	432.5	602.5	552.5	170.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

DATA ADMINISTRATION

Project No. 011108

Purpose:
Implement data administration network.

IRMP Information Area:
Office Automation and Management Support

Total Development Costs ($000): 2698.6

Responsible Organization: AMS-310

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 10/01/83					
Contract Award	(Completed 06/01/84)				
Management Analysis/Feasibility Report	(Completed 05/30/85)				
Pilot Information Directory	(Completed 04/30/86)				
Implement DA Function for Pilot Area	(Completed 05/01/86)				
Review DA Current/Planned Activities		▼			
Establish Objectives and Goals of DA Program		▼			
Develop Data Administration Strategic Plan		▼			
Approved Strategic Plan		▼			
Project Completion - 04/30/91					

A Scheduled ▼ Rescheduled ● Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	380.0	0.0	100.0	100.0	0.0	0.0
FAA Personnel Costs	337.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	1081.6	100.0	200.0	400.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	1798.6	100.0	300.0	500.0	0.0	0.0

Major Related Development Projects:

101101 Office Automation, Aeronautical Center

Major Related Ongoing Systems:

131108 Technical Center Local Management and Administrative Systems

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

OFFICE AUTOMATION (ALG)

Project No.: 011115

Purpose:

Establish a software and hardware base to provide capabilities in database management, graphics, electronic mail, word processing, and proprietary software packages.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 3012.8

Responsible Organization: ALG-10

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 12/01/83					
Local Area Network (LAN)	(Completed 12/31/84)				
Word Processing	(Completed 12/31/84)				
MV/8000 Interface	(Completed 07/01/87)				
Management Support System	(Completed 07/30/87)				
Network Expansion	(Completed 10/30/87)				
Network Upgrade (Software/Hardware)	(Completed 10/30/87)				
Bridge to Other LAN's via Teleco	(Completed 06/30/88)				
Convert Mail Software	▲				
Convert to Novell LAN OS		▼			
Project Completion - 06/30/91					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	600.0	75.0	75.0	75.0	0.0	0.0
FAA Personnel Costs	414.0	136.0	139.9	143.9	0.0	0.0
Services (Commercial & Other Govt.)	754.0	200.0	200.0	200.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	1768.0	411.0	414.9	418.9	0.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

OFFICE AUTOMATION (ALG)

Project No.: 011115

Purpose:

Establish a software and hardware base to provide capabilities in database management, graphics, electronic mail, word processing, and proprietary software packages.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 3012.8

Responsible Organization: ALG-10

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 12/01/83					
Local Area Network (LAN)	(Completed 12/31/84)				
Word Processing	(Completed 12/31/84)				
MV/8000 Interface	(Completed 07/01/87)				
Management Support System	(Completed 07/30/87)				
Network Expansion	(Completed 10/30/87)				
Network Upgrade (Software/Hardware)	(Completed 10/30/87)				
Bridge to Other LAN's via Teleco	(Completed 06/30/89)				
Convert Mail Software		▲			
Convert to Novell LAN OS		▼			
Project Completion - 06/30/91					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	600.0	75.0	75.0	75.0	0.0	0.0
FAA Personnel Costs	414.0	136.0	139.9	143.9	0.0	0.0
Services (Commercial & Other Govt.)	754.0	200.0	200.0	200.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	1768.0	411.0	414.9	418.9	0.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

FAA-WIDE OFFICE AUTOMATION PLAN

Agency Organization Summary Data

Fiscal Year Totals, 1990-1993

	AAD	AAF[1]	AMT	AAC	RAD	AMA	AGC	AGL	AHR[2]	APA	API	ARP	ASF	AXR	Total
1. Number of OATS Units Procured	2,564	8,379	3,557	73	103	511	21	4,149	111	98	1,111	80	7,022		27,779
2. Number of New LANs	130	0	84	1	7	0	1	614	1	6	55	8	347		1,234
3. Number of OATS Units per LAN	40	160	160	11	10	0	21	388	20	0	32	40	49		N/A
4. Maximum Estimated[3] Funding ($000)	$26,801	$67,306	$35,889	$698	$1,348	$4,118	$191	$53,714	$1,054	$1,528	$8,774	$960	$148.935		$351,300
A. New OATS Equipment	$21,181	$55,430	$18,068	$511	$721	$3,577	$147	$38,433	$868	$769	$3,416	$880	$85,834		$229,235
B. Maintenance/Support for OATS Equipment	$5.620	$11,876	$17.821	$187	$619	$541	$44	$15,281	$186	$751	$5,358	$80	$63.301		$121,665
5. Number of People To Be Trained	4,425	6.674	3,685	80	130	668	26	2,080	134	282	2,060	80	8,774		29,099
A. Clerical/Administrative	1,948	1,165	632	19	19	81	6	551	21	70	996	10	1.208		5.526
B. Professional	2,208	3,141	2,590	49	91	134	15	1.119	95	130	1,192	50	6,482		17.286
C. Executive/Managerial	538	2,044	345	12	13	414	3	268	18	72	428	14	390		4.555
D. Systems/Network Management	333	324	128	0	7	39	2	144	0	10	44	6	694		1.731

[1] Figures reflect the combined OATS-related requirements for NASMAP (which support AAF. AND, and ACT) and RMMS (AFS).

[2] Figures include OATS-related requirements for both AHR (agency-wide), and CBI and FAA Academy (Aeronautical Center).

[3] Actual funding will be dependent on budget approval.

FAA-WIDE OFFICE AUTOMATION PLAN

Geographic Location Summary Data

Fiscal Year Totals, 1990-1993

	AWA[4]	MAC	AAL	ACE	AEA	AGL	ANE	ANM	ASO	ASW	ACT	AWP	Total
1. Number of OATS Units To Be Procured	4,180	4,437	754	1.697	1,960	2.435	936	2.024	3,164	2,397	1.323	2,452	27,719
2. Number of New LANs	106	623	23	52	53	66	36	45	64	64	1	77	1,234
3. Number of OATS Units per LAN	966	972	532	696	554	562	466	460	596	570	320	554	N/A
4. Maximum Estimated[5] Funding ($000)	$52,006	$59,233	$9,918	$22,398	$24.414	$29,921	$13.346	$27,263	$37,963	$29,444	$13,279	$31,295	$351,300
A. New OATS Equipment	$30,023	$41,633	$6,350	$14.923	$15.616	$19,630	$68.602	$17,979	$25.064	$19,583	$8,799	$21,223	$229,635
B. Maintenance/Support for OATS Equipment	$22,763	$17.600	$3,568	37,475	$6,595	$10,291	$4,746	$9,304	$12,899	$9,861	$4,480	$10,072	$121.665
5. Number of People To Be Trained	4,046	2,888	1.721	1,602	2,198	2,715	997	2,313	3,423	2.636	1,662	2,777	29,098
A. Clerical/Administrative	992	692	249	342	406	490	176	354	612	466	236	511	5,526
B. Professional	2,188	1,576	1.211	1,064	1,366	1.541	555	1,532	2.046	1,896	574	1,719	17.266
C. Executive/Managerial	657	317	193	252	307	523	163	315	566	333	516	394	4,555
D. Systems/Network Management	211	303	66	124	119	161	63	112	200	141	56	156	1.731

[4] AWA represents the FAA Washington, D.C. facilities.

[5] Actual funding will be dependent on budget approval.

Note: Numbers may not add due to rounding.

INFORMATION RESOURCES MANAGEMENT PLAN (IRMP) AUTOMATION

Project No.: 011199

Purpose:

Define and automate the information on ADP developmental and ongoing systems efforts to support the IRMP and its planning processes. Tie into budget and make accessible to Agency Information Resource Managers.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 1457.8

Responsible Organization: AMS-310

Major Milestones	FY89	FYQO	FYQ1	FYQ2	FY93
Project Start - 01/23/84					
Design Database	(Completed 04/06/84)				
Data Collection/Verification/Load	(Completed 08/24/84)				
IRSP Production/Print	(Completed 09/28/84)				
IRSP Distribution	(Completed 01/30/85)				
Micro Purchase/Delivery	(Completed 05/25/85)				
User Friendly Retrofit	(Completed 07/15/85)				
Files Downloaded	(Completed 07/15/85)				
Budget Data Tie-in	(Completed 08/02/85)				
Determination of IRM Accessibility	(Completed 03/30/87)				
Initial IRM Tie-in and Training	(Completed 03/30/87)				
Full IRM Accessibility and Training	(Completed 03/30/88)				
Multi-user Microcomputer Application Development		▼			
Desktop Publishing Capability		▼			
Project Completion - 03/30/90				▼	

▲ Scheduled ▼ Rescheduled ● Completed

Expenditures Plan ($000)	Prior	FY89	FYQO	FYQ1	FYQ2	FY93
Capital investments	10.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	104.8	20.1	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	912.9	210.0	200.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	1027.7	230.1	200.0	0.0	0.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

INFORMATION RESOURCES MANAGEMENT PLAN (IRMP) AUTOMATION

Project No.: 011199

Purpose:

Define and automate the information on ADP developmental and ongoing systems efforts to support the IRMP and its planning processes. Tie into budget and make accessible to Agency Information Resource Managers.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 1457.8

Responsible Organization: AMS-310

Major Milestones	FY89	FYQO	FYQ1	FYQ2	FY93
Project Start - 01/23/84					
Design Database	(Completed 04/06/84)				
Data Collection/Verification/Load	(Completed 08/24/84)				
IRSP Production/Print	(Completed 09/28/84)				
IRSP Distribution	(Completed 01/30/85)				
Micro Purchase/Delivery	(Completed 05/25/85)				
User Friendly Retrofit	(Completed 07/15/85)				
Files Downloaded	(Completed 07/15/85)				
Budget Data Tie-in	(Completed 08/02/85)				
Determination of IRM Accessibility	(Completed 03/30/87)				
Initial IRM Tie-in and Training	(Completed 03/30/87)				
Full IRM Accessibility and Training	(Completed 03/30/88)				
Multi-user Microcomputer Application Development		▼			
Desktop Publishing Capability		▼			
Project Completion - 03/30/90				▼	

▲ Scheduled ▼ Rescheduled ● Completed

Expenditures Plan ($000)	Prior	FY89	FYQO	FYQ1	FYQ2	FY93
Capital Investments	10.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	104.8	20.1	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	912.9	210.0	200.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	1027.7	230.1	200.0	0.0	0.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

OFFICE AUTOMATION, PHASE I (API)

Project No.: 071101

Purpose:

Increase productivity, improve program management, and reduce costs by: reducing commercial timesharing usage; consolidating work program, financial management and human resources systems: and integrating word and microcomputer processing.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 3016.4

Responsible Organization: API

Major Milestones	FY89	FYQO	FYQ1	FYQ2	FY93
Project Start - 10/01/83					
Word Processor to Microcomputer Conversion, AIA	(Completed 12/02/84)				
Word Processor to Microcomputer Conversion, APO	(Completed 03/01/85)				
Word Processor to Microcomputer Conversion, API	(Completed 07/31/86)				
Install E-Net Line for Tie to APO/AEE/AIA/AEU and Budget Office	(Completed 03/15/87)				
Upgrade VAX II	(Completed 11/27/87)				
Integrate/Convert API Mainframe Program Management Applications	(Completed 12/31/87)				
Establish Overseas Direct Communications with API VAX	◆				
Prepare Final Users' Manual		▼			
Prepare Final System Documentation		▼			
Project Completion - 12/31/89					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FYQO	FYQ1	FYQ2	FY93
Capital Investments	846.6	71.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	211.0	22.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	1107.8	400.0	150.0	0.0	0.0	0.0
Other Costs	208.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	2373.4	493.0	150.0	0.0	0.0	0.0

Major Related Development Projects:

Major Related Ongoing Systems:

071405 International Aviation Information System (IAIS)

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

OFFICE AUTOMATION/NETWORKING AND CONNECTIVITY

Project No.: 071102

Purpose:

Enhance office automation system, provide a local area network link between API offices in headquarters, and provide a means to share administrative systems.

IRMP Information Area:

Office Automation and Management Support

Total Develo [redacted] 1367.3

Responsible [redacted] API

Major Milestones	FY89	FYQO	FY91	FYQ2	FY93
Project Start - 10/31/89					
Requirements Analysis		▲			
System Definition		▲			
Installation of LAN		▲			
Software Development/Conversion, Phase I			▲		
Software Development/Conversion, Phase II				▲	
Software Development/Conversion, Phase III					▲
Project Completion - 06/30/92					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FYQO	FY91	FY92	FY93
Capital Investments	0.0	0.0	266.0	212.0	166.5	0.0
FAA Personnel Costs	0.0	0.0	13.0	13.0	9.8	0.0
Services (Commercial & Other Govt.)	0.0	0.0	218.0	268.0	201.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	0.0	0.0	497.0	493.0	377.3	0.0

Major Related Development Projects:

071101 Office Automation, Phase I (API)
071401 AIA Conversion to DOS-based LAN

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

OFFICE AUTOMATION/NETWORKING AND CONNECTIVITY

Project No.: 071102

Purpose:

Enhance office automation system, provide a local area network link between API offices in headquarters, and provide a means to share administrative systems.

IRMP Information Area:

Office Automation and Management Support

Total Develo [redacted] 1367.3

Responsible [redacted] API

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 10/31/89		▲			
Requirements Analysis		▲			
System Definition		▲			
Installation of LAN		▲			
Software Development/Conversion, Phase I			▲		
Software Development/Conversion, Phase II				▲	
Software Development/Conversion, Phase III					▲
Project Completion - 06/30/92					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	266.0	212.0	166.5	0.0
FAA Personnel Costs	0.0	0.0	13.0	13.0	9.8	0.0
Services (Commercial & Other Govt.)	0.0	0.0	218.0	268.0	201.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	0.0	0.0	497.0	493.0	377.3	0.0

Major Related Development Projects:

071101 Office Automation, Phase I (API)
071401 AIA Conversion to DOS-based LAN

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

OFFICE AUTOMATION/NETWORKING AND CONNECTIVITY

Project No.: 121103

Purpose:

Implement office automation and provide links via an automated networking scheme.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 950.0

Responsible Organization: ACE-40

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 10/01/88					
Regional LAN Backbone Plan	•				
Procurement for LAN Backbone	•				
LAN Backbone Implementation	•				
Review/Enhance OA Configurations					
Initial OATS Systems Configured		▲			
Enhance OA Systems, Install Initial OATS			▲		
Pre-OATS Conversion Plan					
Enhance Pre-OATS, Initial Conversion to OATS			▲		
Final Pre-OATS Enhancement, Convert to OATS				▲	
Project Review and Completion	(Scheduled	09/30/93)			
Project Completion - 09/30/93					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	100.0	200.0	200.0	200.0	250.0
FAA Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	0.0	100.0	200.0	200.0	200.0	250.0

Major Related Development Projects:

011122 Office Automation Technology and Services (OATS)

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

OFFICE AUTOMATION AND NETWORKING

Project No.: 121104

Purpose:

Provide a range of automation extensions and enhancements that expand the linking capabilies of the regional off ice to field facilities, headquarters, and other regions.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 536.0

Responsible Organization: ACE-600

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 04/01/89	●				
System Scope Defined		◆			
Equipment Plan (Hardware/Software/Topology)			▲		
Initial Procurement					
Site Preparation/Installation			▲		
User Orientation and Training				▲	
Hardware/Software Test and Acceptance				▲	
Site Review/Modifications				▲	
System Capability					
System Accepted					▲
Project Completion - 09/30/92					

A Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital investments	0.0	20.0	104.0	79.0	60.0	0.0
FAA Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	55.0	61.0	67.0	0.0
Other Costs	0.0	0.0	25.0	30.0	35.0	0.0
Total Expenditures:	0.0	20.0	184.0	170.0	162.0	0.0

Major Related Development Projects:

011122 Office Automation Technology and Services (OATS)

Major Related Ongoing Systems:

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

OFFICE AUTOMATION AND NETWORKING

Project No.: 121104

Purpose:

Provide a range of automation extensions and enhancements that expand the linking capabilies of the regional off ice to field facilities, headquarters, and other regions.

IRMP information Area:

Office Automation and Management Support

Total Development Costs ($000): 536.0

Responsible Organization: ACE-600

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 04/01/89	●				
System Scope Defined		◆			
Equipment Plan (Hardware/Software/Topology)			▲		
Initial Procurement					
Site Preparation/Installation			▲		
User Orientation and Training			▲		
Hardware/Software Test and Acceptance				▲	
Site Review/Modifications				▲	
System Capability					
System Accepted					▲
Project Completion - 09/30/92					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital investments	0.0	20.0	104.0	79.0	60.0	0.0
FAA Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	55.0	61.0	67.0	0.0
Other Costs	0.0	0.0	25.0	30.0	35.0	0.0
Total Expenditures:	0.0	20.0	164.0	170.0	162.0	0.0

Major Related Development Projects:

011122 Office Automation Technology and Services (OATS)

Major Related Ongoing Systems:

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

OFFICE AUTOMATION/NETWORKING (5 ATCT HUBS)

Project No.: 121106

Purpose:

Provide a range of automation extensions and enhancements that expand the linking capabilities of the regional office to field facilities, headquarters and other regions.

IRMP information Area:

Office Automation and Management Support

Total Development Costs ($000): 425.0

Responsible Organization: ACE-500

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 09/30/91					
System Scope Defined			▲		
Initial Procurement				▲	
Equipment Plan (Hardware/Software/Topology)					
Site Preparation/Installation					
Hardware/Software Test and Acceptance					▲
User Orientation and Training					▲
Site Review/Modifications					
System Acceptance	(Scheduled 09/30/93)				
System Accepted	(Scheduled 06/30/94)				
Project Completion - 06/30/94					

▲ Scheduled ▼ Rescheduled ★ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital investments	0.0	0.0	0.0	0.0	250.0	175.0
FAA Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	0.0	0.0	0.0	0.0	250.0	175.0

Major Related Development Projects:

011122 Office Automation Technology and Services (OATS)

Major Related Ongoing Systems:

All cost values are a constant dollars. Milestones are shown at end of FY quarters.

OFFICE AUTOMATION/NETWORKING (ZKC ARTCC)

Project No.: 121103

Purpose:

Provide a range of automation extensions and enhancements that expand the linking capabilities of the regional office to field facilities, headquarters and other regions.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 190.0

Responsible Organization: ACE-500

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 03/30/90		▲			
System Scope Defined		▲			
Equipment Plan (Hardware/Software/Topology)			▲		
Initial Procurement			▲		
Site Preparation/Installation			▲		
Hardware/Software Test and Acceptance			▲		
User Orientation and Training			▲		
Site Review/Modifications			▼		
System Accepted			▼		
Project Completion - 09/30/91			▼		

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	50.0	70.0	70.0	0.0
FAA Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	0.0	0.0	50.0	70.0	70.0	0.0

Note: Expenditure plan may include operational costs in years following Project completion.

Major Related Development Projects:

011122 Office Automation Technology and Services (OATS)

121105 Office Automation/Networking (Air Traffic Regional Office)

Major Related Ongoing Systems:

121107 Automated Scheduling And Control

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

OFFICE AUTOMATION/NETWORKING (ZKC ARTCC)

Project No.: 121108

Purpose:

Provide a range of automation extensions and enhancements that expand the linking capabilities of the regional office to field facilities, headquarters and other regions.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 190.0

Responsible Organization: ACE-500

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 03/30/90		▲			
System Scope Defined		▲			
Equipment Plan (Hardware/Software/Topology)			▲		
Initial Procurement			▲		
Site Preparation/Installation			▲		
Hardware/Software Test and Acceptance			▲		
User Orientation and Training			▲		
Site Review/Modifications			▼		
System Accepted			▼		
Project Completion - 09/30/91					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	50.0	70.0	70.0	0.0
FAA Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	0.0	0.0	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	0.0	0.0	50.0	70.0	70.0	0.0

Note: Expenditure plan may include operational costs in years following Project completion.

Major Related Development Projects:

011122 Office Automation Technology and Services (OATS)

121105 Office Automation/Networking (Air Traffic Regional Office)

Major Related Ongoing Systems:

121107 Automated Scheduling And Control

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

OFFICE AUTOMATION/LOCAL AREA NETWORK

Project No.: 161102

Purpose:

Link IBM-compatible microcomputers so users can share devices and efficiently use the information.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 2393.3

Responsible Organization: ANE-40

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 03/01/88					
Requirements and Feasibility Study	(Completed 06/30/88)				
Phase I: Acquire Equipment and Connect ANE-1/3	•				
Acquire Equipment and Connect ANE-40	•				
Acquire Equipment and Connect ANE-500	•				
Acquire Equipment and Connect ANE-7	•				
Acquire Equipment and Connect ANE-700	•				
Acquire Equipment and Connect ANE-50	▼				
Phase II: Provide Connectivity to Data General MV/15000	▲				
Acquire Equipment and Connect ANE-100	▲				
Phase III: Acquire Equipment and Connect Other Offices	▼				
Provide Connectivity to CAEG Equipment	▲				
Project Completion - 09/30/90	▼				

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	97.0	13.0	106.0	242.3	47.0	250.0
FAA Personnel Costs	50.0	50.0	100.0	100.0	100.0	100.0
Services (Commercial & Other Govt.)	70.0	87.0	90.0	75.0	80.0	85.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	217.0	150.0	296.0	417.3	227.0	435.0

Note: Expenditure plan may include operational costs in years following project completion.

Major Related Development Projects:

- 011122 Office Automation Technology and Services (OATS)
- 011212 Computer Resources Nucleus (CORN)
- 020407 Obstruction Evaluation And Airport Airspace Analysis (OE/AAA)
- 191105 Office Automation Network for Regional Administrator's Management Team

Major Related Ongoing Systems:

- 041112 Computer-Aided Engineering Graphics

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

OFFICE AUTOMATION, NORTHWEST MOUNTAIN REGION

Project No.: 171101

Purpose:
Provide a range of automation enhancements linking the majority of field facilities to the Regional Office and Agency information sources.

IRMP Information Area:
Office Automation and Management Support

Total Development Costs ($000): 5043.4

Responsible Organization: ANM-40

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 09/07/84					
DSS - Approval	Completed 07/01/87				
DSS - Acquisition Phase I	Completed 10/01/87				
DSS - Acquisition Phase II	Completed 10/01/87				
DSS - Installation Phase I	Completed 12/01/87				
DSS - Installation Phase II	Completed 01/31/88				
DSS - Operational Phase I	Completed 03/01/88				
DSS - Operational Phase II	Completed 07/01/88				
DSS - Acquisition Phase III	Completed 10/01/88				
DSS - Installation Phase III	▲				
DSS - Acquisition Phase IV		▲			
DSS - Operational Phase III		▼			
DSS - Installation Phase IV		▼			
DSS - Operational Phase IV			▲		
DSS - Acquisition Phase V					
Project Completion - 09/01/97					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	1057.9	815.0	525.0	500.0	0.0	0.0
FAA Personnel Costs	556.0	200.0	200.0	200.0	0.0	0.0
Services (Commercial & Other Govt.)	250.0	300.0	200.0	137.0	0.0	0.0
Other Costs	102.5	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	1966.4	1315.0	925.0	837.0	0.0	0.0

Note: Milestones and expenditure plan for future years under development.

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

OFFICE AUTOMATION, NORTHWEST MOUNTAIN REGION

Project No.: 171101

Purpose:
Provide a range of automation enhancements linking the majority of field facilities to the Regional Office and Agency information sources.

IRMP Information Area:
Office Automation and Management Support

Total Development Costs ($000): 5043.4

Responsible Organization: ANM-40

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 09/07/84					
DSS - Approval	Completed 07/01/87				
DSS - Acquisition Phase I	Completed 10/01/87				
DSS - Acquisition Phase II	Completed 10/01/87				
DSS - Installation Phase I	Completed 12/01/87				
DSS - Installation Phase II	Completed 01/31/88				
DSS - Operational Phase I	Completed 03/01/88				
DSS - Operational Phase II	Completed 07/01/88				
DSS - Acquisition Phase III	Completed 10/01/88				
DSS - Installation Phase III	▲				
DSS - Acquisition Phase IV		▲			
DSS - Operational Phase III		▼			
DSS - Installation Phase IV		▼			
DSS - Operational Phase IV			▲		
DSS - Acquisition Phase V					
Project Completion - 09/01/97					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	1057.9	815.0	525.0	500.0	0.0	0.0
FAA Personnel Costs	556.0	200.0	200.0	200.0	0.0	0.0
Services (Commercial & Other Govt.)	250.0	300.0	200.0	137.0	0.0	0.0
Other Costs	102.5	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	1966.4	1315.0	925.0	837.0	0.0	0.0

Note: Milestones and expenditure plan for future years under development.

Major Related Development Projects:

Major Related Ongoing Systems:

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

AUTOMATED MANAGEMENT INFORMATION, SOUTHWEST REGION (SWAMI)

Project No.: 191101

Purpose:

Provide office automation to the divisions/staffs at the regional office and in field facilities through a network of compatible interactive microcomputers/minicomputers.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 6559.0

Responsible Organization: ASW-40

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 08/01/84					
Requirements Study	(Completed 01/01/85)				
Communications Definition	(Completed 06/30/85)				
Requirements Validation		(Completed 01/01/86)			
System Plan		(Completed 03/31/86)			
Hardware/Software Definition		▼			
Purchase (phased)			▼		
Implementation (phased)				▼	
Project Completion - 12/31/91					

A Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Other Capital Services FAA (Commercial & Other Govt.)	0.0	0.0	400.0 610.0 115.0 100.0	610.0 475.0 100.0 115.0	455.0 425.0 100.0 95.0	460.0 450.0 150.0 81.0
Total Expenditures:	0.0	0.0	1225.0	1300.0	1075.0	1141.0

Note: Expenditure plan may include operational costs in years following project completion.

Major Related Development Projects:

191105 Office Automation Network for Regional Administrator's Management Team

191112 Office Automation Pilot - Resource Management Division

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

OFFICE AUTOMATION NETWORK FOR REGIONAL ADMINISTRATOR'S MANAGEMENT TEAM

Project No.: 191105

Purpose:

Provide an office automation network linking the Southwest Regional Administration divisions and staffs.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 1665.0

Responsible Organization: ASW-4

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 11/01/84					
Define Requirements	(Completed 10/01/87)				
Purchase Systems	(Completed 12/31/87)				
Install Local Area Network	(Completed 03/31/88)				
Implement	(Completed 03/31/88)				
Project Completion - 04/01/90					

A Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	45.0	60.0	65.0	160.0	50.0
FAA Personnel Costs	10.0	50.0	80.0	80.0	100.0	100.0
Services (Commercial & Other Govt.)	25.0	30.0	35.0	30.0	60.0	60.0
Other Costs	0.0	15.0	15.0	15.0	20.0	20.0
Total Expenditures:	35.0	140.0	190.0	190.0	340.0	230.0

Note: Expenditure plan may include operational costs in years following project completion.

Major Related Development Projects:

191101 Automated Management Information, Southwest Region (SWAMI)

Major Related Ongoing Systems:

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

OFFICE AUTOMATION NETWORK FOR REGIONAL ADMINISTRATOR'S MANAGEMENT TEAM

Project No.: 191105

Purpose:

Provide an office automation network linking the Southwest Regional Administration divisions and staffs.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 1665.0

Responsible Organization: ASW-4

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 11/01/84					
Define Requirements	(Completed 10/01/87)				
Purchase Systems	(Completed 12/31/87)				
Install Local Area Network	(Completed 03/31/88)				
Implement	(Completed 03/31/88)				
Project Completion - 04/01/90					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	45.0	60.0	65.0	160.0	50.0
FAA Personnel Costs	10.0	50.0	80.0	80.0	100.0	100.0
Services (Commercial & Other Govt.)	25.0	30.0	35.0	30.0	60.0	60.0
Other Costs	0.0	15.0	15.0	15.0	20.0	20.0
Total Expenditures:	35.0	140.0	190.0	190.0	340.0	230.0

Note: Expenditure plan may include operational costs in years following project completion.

Major Related Development Projects:

191101 Automated Management Information, Southwest Region (SWAMI)

Major Related Ongoing Systems:

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

OFFICE AUTOMATION, FINANCIAL & MANAGEMENT RESOURCES DIVISION

Project No.: 201101

Purpose:

Extend the benefits of office automation to regional elements with a demonstrated need for this automation.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 1635.0

Responsible Organization: AW P-40

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 01/10/90					
Initiation Phase		A			
System Design			▲		
System Test			▲		
System Installation				▲	
Project Completion/Evaluation					
Project Completion - 09/30/93					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	280.0	180.0	200.0	220.0
FAA Personnel Costs	0.0	0.0	75.0	50.0	50.0	50.0
Services (Commercial & Other Govt.)	0.0	0.0	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	100.0	130.0	150.0	150.0
Total Expenditures:	0.0	0.0	455.0	360.0	400.0	420.0

Major Related Development Projects:

Major Related Ongoing Systems:

111105 Office Automation, Alaskan Region

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

OFFICE AUTOMATION (ADM)

Project No.: 231101

1Purpose:

Establish software, hardware and training base that will provide capabilities in database management, graphics, E-mail, and word processing In a networked environment. Interface with OATS.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 1438.0

Responsible Organization: ADM-10

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 10/31/89					
Complete System Design		▲			
Local Area Network Begun		▲			
Interface with REDMACS		▲			
Local Area Network Completed			▲		
Bridge to Other LAN			▲		
Convert Existing E-mail to OATS E-mail			▲		
Convert Existing Equipment and Software to OATS Standards	(Scheduled 10/31/93)				
Project Completion - 10/31/93					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	190.0	140.0	90.0	90.0
FAA Personnel Costs	0.0	0.0	100.0	50.0	55.0	60.0
Services (Commercial & Other Govt.)	0.0	0.0	215.0	155.0	170.0	90.0
Other Costs	0.0	0.0	8.0	10.0	10.0	5.0
Total Expenditures:	0.0	0.0	513.0	355.0	325.0	245.0

Major Related Development Projects:

011122 Office Automation Technology and Services (OATS)

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

OFFICE AUTOMATION (ADM)

Project No.: 231101

1Purpose:

Establish software, hardware and training base that will provide capabilities in database management, graphics, E-mail, and word processing In a networked environment. Interface with OATS.

IRMP Information Area:

Office Automation and Management Support

Total Development Costs ($000): 1438.0

Responsible Organlzatlon: ADM-10

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 10/31/89					
Complete System Design		A			
Local Area Network Begun		A			
Interface with REDMACS		A			
Local Area Network Completed			▲		
Bridge to Other LAN			▲		
Convert Existing E-mail to OATS E-mail			▲		
Convert Existing Equipment and Software to OATS Standards	(Scheduled 10/31/93)				
Project Completion - 10/31/93					

A Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prlor	FY89	FYQO	FY91	FY92	FY93
Capltal Investments	0.0	0.0	190.0	140.0	90.0	90.0
FAA Personnel Costs	0.0	0.0	100.0	50.0	55.0	60.0
Services (Commercial & Other Govt.)	0.0	0.0	215.0	155.0	170.0	90.0
Other Costs	0.0	0.0	8.0	10.0	10.0	5.0
Total Expenditures:	0.0	0.0	513.0	355.0	325.01	245.0

Major Related Development Projects:

011122 Office Automation Technology and Services (OATS)

Major Related Ongolng Systems:

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

12.0 INFORMATION PROCESSING AND SUPPORT INFORMATION AREA

DEVELOPMENT PROJECTS LIST

Project Number	Project Title	Schedule Start/ Complete	Total Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
011201	FAAMIS - Operational Management Information System (OMIS)	MAR86 DEC92	2440.0	5	2,4,6	63
011212	Computer Resources Nucleus (CORN)	JAN87 SEP92	152496.3	5	2,3	63
TOTAL			154836.3			

FAA Missions Supported:
5 Efficient and economical program administration.

FAA Goals Supported:
2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.
3 Develop, refine and implement FAA programs and long-range plans.
4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.
6 Reduce regulatory and administrative burden.

FAA N89 Objectives Supported:
MANAGEMENT/COMMUNICATION:
63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

FAAMIS - OPERATIONAL MANAGEMENT INFORMATION SYSTEM (OMIS)

Project No.: 011201

Purpose:

Provide a single integrated source for management information commonly required by all agency managers, eliminating the need for redundant systems.

IRMP Information Area:

Information Processing and Support

Total Development Costs ($000): 2440.0

Responsible Organization: AMS-420

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 03/01/88					
Requirements, Cost/Benefit Analyses, and Feasibility Study			▼		
Management Decision Paper, Ed. 1			▼		
System Design Specifications			▼		
Program Specifications			▼		
Management Decision Paper, Ed. 2			▼		
Programming and Testing				▼	
Test Analysis Report				▼	
Management Decision Paper, Ed. 3				▼	
System Installation					▼
Project Completion - 12/30/92					

▲ Scheduled ▼ Rescheduled ★ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	130.0	195.0	60.0	260.0	260.0	130.0
Services (Commercial & Other Govt.)	370.0	75.0	0.0	300.0	450.0	100.0
Other Costs	20.0	25.0	5.0	25.0	25.0	10.0
Total Expenditures:	520.0	295.0	65.0	585.0	735.0	240.0

Major Related Development Projects:

011103 FAAMIS - Executive Information System (EXIS)

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

FAAMIS - OPERATIONAL MANAGEMENT INFORMATION SYSTEM (OMIS)

Project No.: 011201

Purpose:

Provide a single integrated source for management information commonly required by all agency managers, eliminating the need for redundant systems.

IRMP Information Area: Information Processing and Support

Total Development Costs ($000): 2440.0

Responsible Organization: AMS-420

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 03/01/88					
Requirements, Cost/Benefit Analyses, and Feasibility Study			▼		
Management Decision Paper, Ed. 1			▼		
System Design Specifications			▼		
Program Specifications			▼		
Management Decision Paper, Ed. 2			▼		
Programming and Testing				▼	
Test Analysis Report				▼	
Management Decision Paper, Ed. 3				▼	
System Installation					▼
Project Completion - 12/30/92					

▲ Scheduled ▼ Rescheduled ★ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	130.0	195.0	60.0	260.0	260.0	130.0
Services (Commercial & Other Govt.)	370.0	75.0	0.0	300.0	450.0	100.0
Other Costs	20.0	25.0	5.0	25.0	25.0	10.0
Total Expenditures:	520.0	295.0	65.0	585.0	735.0	240.0

Major Related Development Projects:

011103 FAAMIS - Executive Information System (EXIS)

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters,

13.0 HUMAN INTERFACE AND TRAINING

INFORMATION AREA

13.0 HUMAN INTERFACE AND TRAINING

INFORMATION AREA

13.0 HUMAN INTERFACE AND TRAINING INFORMATION AREA

The preceding Information Area descriptions represent change in the work environment of every employee — managers and their co-workers. The automation efforts outlined in the plan will bring automation to practically all parts of the agency. In the future, the management and administrative operations of the FAA will be modernized in parallel with the NAS modernization program. Much of the management modernization is needed to support the NAS modernization as well as to increase the productivity of other operations.

It is anticipated that virtually every FAA employee will be working with a computer or through terminals in the next ten years. Microcomputers, terminals of various types, printers, and telecommunications devices will become a part of almost every office and manned facility. The ability to use these devices will be an important element in each employee's continued productivity.

INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are $0.0.

BUDGET CATEGORY	FY89	FY90	FY91	FY92	FY93
CAPITAL INVESTMENTS	0.0	0.0	0.0	0.0	0.0
FAA PERSONNEL COSTS	0.0	0.0	0.0	0.0	0.0
SERVICES (Commercial & Other Govt.)	0.0	0.0	0.0	0.0	0.0
OTHER COSTS	0.0	0.0	0.0	0.0	0.0
TOTAL ($000)	0.0	0.0	0.0	0.0	0.0

INFORMATION RESOURCES DEVELOPMENT PROJECTS

Presented on the next page is a list summarizing the development projects associated with this information area The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. Figures shown in the *Total* Cost column include costs outside the five-year FY89-FY93 time frame. More detailed information, such as the responsible organization, milestones, and cost breakdowns, may be found in *the Project* Summaries which follow.

13.0 HUMAN INTERFACE AND TRAINING INFORMATION AREA

The preceding Information Area descriptions represent change in the work environment of every employee — managers and their co-workers. The automation efforts outlined in the plan will bring automation to practically all parts of the agency. In the future, the management and administrative operations of the FAA will be modernized in parallel with the NAS modernization program. Much of the management modernization is needed to support the NAS modernization as well as to increase the productivity of other operations.

It is anticipated that virtually every FAA employee will be working with a computer or through terminals in the next ten years. Microcomputers, terminals of various types, printers, and telecommunications devices will become a part of almost every office and manned facility. The ability to use these devices will be an important element in each employee's continued productivity.

INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are $0.0.

BUDGET CATEGORY	FY89	FY90	FY91	FY92	FY93
CAPITAL INVESTMENTS	0.0	0.0	0.0	0.0	0.0
FAA PERSONNEL COSTS	0.0	0.0	0.0	0.0	0.0
SERVICES (Commercial & Other Govt.)	0.0	0.0	0.0	0.0	0.0
OTHER COSTS	0.0	0.0	0.0	0.0	0.0
TOTAL ($000)	0.0	0.0	0.0	0.0	0.0

INFORMATION RESOURCES DEVELOPMENT PROJECTS

Presented on the next page is a list summarizing the development projects associated with this information area The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. Figures shown in the *Total* Cost column include costs outside the five-year FY89-FY93 time frame. More detailed information, such as the responsible organization, milestones, and cost breakdowns, may be found in *the Project* Summaries which follow.

AIR TRAFFIC/AVIATION STANDARDS CBI EXPANSION

Project No.: 101374

Purpose:

Extend the use of the air traff k/aviation standards' computer-based instruction (CBI) to additional tower facilities and to aviation standards field off ices by installating more equipment.

IRMP Information Area: Human Interface and Training

Total Development Costs ($000): *8500.0*

Responsible Organization: AAC-900

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 10/01/87 Project Completion - 12/31/90					

A Scheduled ▼ Rescheduled ♦ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	*8500.0*	*0.0*	*0.0*	*0.0*	*0.0*	0.0
FAA Personnel Costs	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	0.0
Services (Commercial & Other Govt.)	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	0.0
Other Costs	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	0.0
Total Expenditures:	*8500.0*	*0.0*	*0.0*	*0.0*	*0.0*	0.0

Note: Milestone schedule and expenditure plan under development.

Major Related Development Projects:

Major Related Ongoing Systems:

101303 Computer-Based Instruction (CBI) Training

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

FAA Goals Supported:

3 Develop, refine and implement FAA programs and long-range plans.

7 Promote USA/FAA pre-eminence in the world aviation community.

FAA FY89 Objectives Supported:

MANAGEMENT COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

AIA CONVERSION TO DOS-BASED LAN

Project No.: 071401

Purpose:
Convert international Aviation Information System (IAIS) from minicomputer to LAN.

IRMP information Area: Other

Total Development Costs ($000): 549.4

Responsible Organization: AM/API

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 05/01/89	◆				
LAN Design Study	◆				
Purchase LAN Software	◆				
Revise LAN Design Study	▲				
Modification of Software and Database	▲				
Begin Installation	▲				
Purchase Equipment	▲				
Agency and International Access	▲				
Convert from Minicomputer to LAN	▲				
Convert from Multi-user Micro to LAN	▲				
Test LAN Computational	▲				
User Training	▲				
Project Completed and 100% Operational	◆				
Project Completion - 08/30/90	◆				

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	132.4	41.0	0.0	0.0	0.0
FAA Personnel Costs	0.0	20.0	22.0	24.0	0.0	0.0
Services (Commercial & Other Govt.)	30.0	200.0	80.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	30.0	352.4	143.0	24.0	0.0	0.0

Note: Expenditure plan may include operational costs in years following project completion.

Major Related Development Projects:

071102 Office Automation/Networking and Connectivity

Major Related Ongoing Systems:

210602 Aviation Safety Reporting System

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

AIA CONVERSION TO DOS-BASED LAN

Project No.: 071401

Purpose:
Convert International Aviation Information System (IAIS) from minicomputer to LAN.

IRMP information Area: Other

Total Development Costs ($000): 549.4

Responsible Organization: AM/API

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 05/01/89	◆				
LAN Design Study		◆			
Purchase LAN Software		◆			
Revise LAN Design Study		▲			
Modification of Software and Database		▲			
Begin Installation		▲			
Purchase Equipment		▲			
Agency and International Access		▲			
Convert from Multi-user Micro to LAN		▲			
Test LAN Computational		▲			
User Training		▲			
Project Completed and 100% Operational		▲			
Project Completion - 08/30/90					

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	132.4	41.0	0.0	0.0	0.0
FAA Personnel Costs	0.0	20.0	22.0	24.0	0.0	0.0
Services (Commercial & Other Govt.)	30.0	200.0	80.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	30.0	352.4	143.0	24.0	0.0	0.0

Note: Expenditure plan may include operational costs in years following project completion.

Major Related Development Projects:

071102 Office Automation/Networking and Connectivity

Major Related Ongoing Systems:

210602 Aviation Safety Reporting System

All cost values are in constant dollars. Milestones are shown at end of FY quarters.

15.0 RECORDS MANAGEMENT

INFORMATION AREA

15.0 RECORDS MANAGEMENT

INFORMATION AREA

15.0 RECORDS MANAGEMENT INFORMATION AREA

Records Management should really be called Information Management. The creation, maintenance, use, and disposition of information is a record-keeping function. Official records, regardless of their physical form, are controlled by the provisions of 44 U.S.C., Chapters 21, 29, 31, and 33. The Paperwork Reduction Act of 1980 (Public Law 96-511) recognized the concept of information resources management as a basis for managing Federal information and all other information processing assets. The Office of Management and Budget *(OMB)* Circular **A-** 130, *Management of Federal Information Resources,* set forth the policies for the management of Federal information assets.

Record-keeping systems, whether paper or electronic, contain records management, information resource management, security, and privacy act requirements and should be managed according to the following life-cycle approach:

1. Creation,
2. Maintenance and Use, and
3. Disposition.

An electronic record-keeping system is **defined** as the operation of records systems in which a computer is required for a user to create, work with, or delete records. Examples of electronic records are those residing on magnetic tapes, disks, and drums, on video or audio files, and on optical disks.

All personnel should be aware of and practice good records management principles in every aspect of the work environment. Information created by or contained in correspondence, mail, micrographics, directives, forms, printing, publications, reports, files, vital records, drawings, spreadsheets, word-processing, databases, etc., should conform to established records management, information resource management, security, and privacy act requirements.

INFORMATION RESOURCES DEVELOPMENT COSTS

Costs for planned development projects are estimated to require the annual funding levels shown below. Funding requirements for the total five-year period are **$835.0** thousand.

BUDGET CATEGORY	FY89	FY90	FY91	FY92	FY93
CAPITAL INVESTMENTS	0.0	200.0	250.0	40.0	40.0
FAA PERSONNEL COSTS	40.0	30.0	0.0	0.0	0.0
SERVICES (Commercial & Other Govt)	25.0	100.0	50.0	30.0	30.0
OTHER COSTS	0.0	0.0	0.0	0.0	0.0
TOTAL ($000)	65.0	330.0	300.0	70.0	70.0

INFORMATION RESOURCES DEVELOPMENT PROJECTS

Presented below is a list summarizing the development projects associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. Figures shown *in the Total* Cost column include costs outside the five-year **FY89-FY93** time frame. More detailed information, such as the responsible organization, milestones, and cost breakdowns, may be found in the Project Summaries which follow.

DEVELOPMENT PROJECTS LIST

Project Number	Project Title	Schedule Start/ Complete	Total Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
011503	Expansion of Electronic Publishing Capability	OCT-86 OCT-90	140.0	5	4	63
121501	Regional Budget Automation	DEC-86 DEC-89	211.0	5	2,4,6	63
161501	ANE-100 Files Automation	JUN-88 SEP-94	885.0	1,5	1,4,6	63
TOTAL			1236.0			

FAA Missions Supported:

1 Promotion of aviation safety.

5 Efficient and economical program administration.

FAA Goals Supported:

1 Enhance U.S. Aviation Safety.

2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.

4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.

6 Reduce regulatory and administrative burden.

FAA **FY89** Objectives Supported:

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

INFORMATION RESOURCES DEVELOPMENT PROJECTS

Presented below is a list summarizing the development projects associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. Figures shown *in the Total* Cost column include costs outside the five-year **FY89-FY93** time frame. More detailed information, such as the responsible organization, milestones, and cost breakdowns, may be found in the Project Summaries which follow.

DEVELOPMENT PROJECTS LIST

Project Number	Project Title	Schedule Start/ Complete	Total Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
011503	Expansion of Electronic Publishing Capability	OCT-86 OCT-90	140.0	5	4	63
121501	Regional Budget Automation	DEC-86 DEC-89	211.0	5	2,4,6	63
161501	ANE-100 Files Automation	JUN-88 SEP-94	885.0	1,5	1,4,6	63
TOTAL			1236.0			

FAA Missions Supported:

1 Promotion of aviation safety.

5 Efficient and economical program administration.

FAA Goals Supported:

1 Enhance U.S. Aviation Safety.

2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.

4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.

6 Reduce regulatory and administrative burden.

FAA **FY89** Objectives Supported:

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

REGIONAL BUDGET AUTOMATION

Project No.: 121501

Purpose:
Establish a standard budget system for regional use.

IRMP Information Area:
Records Management

Total Development Costs ($000): 211.0

Responsible Organization: ACE-42

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 12/01/86					
Design Basic System	(Completed 12/31/87)				
Program and Test	(Completed 02/28/88)				
Implement Phase I	(Completed 03/31/88)	▼			
Implement Phase II					
Project Completion - 12/31/89					

A Scheduled ▼ Rescheduled ◆Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	0.0	0.0	0.0	0.0
FAA Personnel Costs	28.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	183.0	0.0	0.0	0.0	0.0	0.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	211.0	0.0	0.0	0.0	0.0	0.0

Major Related Development Projects:

011122 Office Automation Technology and Services (OATS)
121103 Office Automation/Networking and Connectivity

Major Related Ongoing Systems:

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

ANE-100 FILES AUTOMATION

Project No.: 161501

Purpose:

Automate storage and retrieval capability of engine certification directorate documents using optical disk technology.

IRMP Information Area: Records Management

Total Development Costs ($000): 885.0

Responsible Organization: ANE-100

Major Milestones	FY89	FYQO	FY91	FY92	FY93
Project Start - 06/15/88					
Validate User Requirements					
Conduct Environmental Assessment					
Assess Current State-of-the-Art Technology					
Phase I: Select, Acquire, and Integrate Prototype					
Conduct Prototype System Test					
Evaluate Prototype System Test					
Phase II: Expand to Include Enhanced Features					
Phase III: Expand to Additional Offices					
Project Completion - 09/30/94					

(Scheduled 09/30/94)

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital investments	0.0	0.0	200.0	250.0	40.0	40.0
FAA Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	50.0	25.0	100.0	50.0	30.0	30.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	50.0	25.0	300.0	300.0	70.0	70.0

Major Related Development Projects:

011122 Office Automation Technology and Services (OATS)

Major Related Ongoing Systems:

041112 Computer-Aided Engineering Graphics

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

ANE-100 FILES AUTOMATION

Project No.: 161501

Purpose:

Automate storage and retrieval capability of engine certification directorate documents using optical disk technology.

IRMP Information Area: Records Management

Total Development Costs ($000): 885.0

Responsible Organization: ANE-100

Major Milestones	FY89	FY90	FY91	FY92	FY93
Project Start - 06/15/88	▲				
Validate User Requirements	◆				
Conduct Environmental Assessment	◆				
Assess Current State-of-the-Art Technology	◆				
Phase I: Select, Acquire, and Integrate Prototype		▼			
Conduct Prototype System Test			▼		
Evaluate Prototype System Test			▼		
Phase II: Expand to Include Enhanced Features					
Phase III: Expand to Additional Offices		(Scheduled 09/30/94)			
Project Completion - 09/30/94					▲

▲ Scheduled ▼ Rescheduled ◆ Completed

Expenditures Plan ($000)	Prior	FY89	FY90	FY91	FY92	FY93
Capital Investments	0.0	0.0	200.0	250.0	40.0	40.0
FAA Personnel Costs	0.0	0.0	0.0	0.0	0.0	0.0
Services (Commercial & Other Govt.)	50.0	25.0	100.0	50.0	30.0	30.0
Other Costs	0.0	0.0	0.0	0.0	0.0	0.0
Total Expenditures:	50.0	25.0	300.0	300.0	70.0	70.0

Major Related Development Projects:

011122 Office Automation Technology and Services (OATS)

Major Related Ongoing Systems:

041112 Computer-Aided Engineering Graphics

All cost values are in constant dollars.

Milestones are shown at end of FY quarters.

16.0 ONGOING SYSTEMS

16.0 ONGOING SYSTEMS

16.0 ONGOING SYSTEMS

This section presents a summarization of ongoing systems and individual ongoing system fact sheets for each information area. For a quicker reference to an ongoing system, turn to Appendix A for an alphabetical listing of all the projects and systems contained in this book, to Appendix B for a numerical listing, or to Appendix C for a listing by information area.

OVERALL SUMMARY

The total quantities and annual operating costs for all the information areas are shown below.

ANNUAL OPERATING COSTS FOR ONGOING SYSTEMS BY INFORMATION AREA

Information Area	Number of Systems	Annual Operating Costs ($000)
Airports	11	1,199.9
Airspace	13	2,945-l
Aviation Activity	5	702.2
Safety	10	8,832.5
Financial	38	3,719.0
Human Resources	25	4,606.5
Materiel	23	3513.7
NAS Facilities	25	1,421.7
Office Automation	24	9.659.2
information Processing and Support	8	5,007.4
Training	8	10.077.5
Other	30	2.854.8
Records Management	4	91.7
TOTAL	224	5. , .2

16.0 ONGOING SYSTEMS

This section presents a summarization of ongoing systems and individual ongoing system fact sheets for each information area. For a quicker reference to an ongoing system, turn to Appendix A for an alphabetical listing of all the projects and systems contained in this book, to Appendix B for a numerical listing, or to Appendix C for a listing by information area.

OVERALL SUMMARY

The total quantities and annual operating costs for all the information areas are shown below.

ANNUAL OPERATING COSTS FOR ONGOING SYSTEMS BY INFORMATION AREA

Information Area	Number of Systems	Annual Operating Costs ($000)
Airports	11	1,199.9
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Aviation Activity	5	702.2
Safety	10	8,832.5
Financial	38	3,719.0
Human Resources	25	4,606.5
Materiel	23	3,513.7
NAS Facilities	25	1,421.7
Office Automation	24	9.659.2
Information Processing and Support	8	5,007.4
Training	8	10.077.5
Other	30	2.854.8
Records Management	4	91.7
TOTAL	224	5. , .2

FAA **FY89** Objectives Supported:

CAPACITY:

23 Assist state and local governments in planning for new airport construction, and in expanding the capacity of existing airports.

GOVERNMENT/INDUSTRY PROMOTION OF AVIATION:

42 Expand the Minnesota "partnership" example of working closely with state governments to coordinate research programs, aviation career education and training programs, and airport and general aviation planning.

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

AIRPORT PAVEMENT ANALYSIS

System No.: 080301

Description: Assists in the analysis and evaluation of pavement design and construction through three engineering and evaluation modeling programs.	**IRMP Information Area:** Airports
	Responsible Organization: AAS
	System Owner: AAS
	Software Owner: AAS
	Implementation Date: 01/01/1983
Network:	**Annual Operating Costs ($000):** 16.2
Hardware: TCC Amdahl	**Software:** FORTRAN
System Users:	

RUNWAY FRICTION MEASUREMENT

System No.: 080302

Description: Supports statistical analysis of data collected in runway surface surveys petformed for AAS.	**IRMP Information Area:** Airports
	Responsible Organization: AAS
	System Owner: AAS
	Software Owner: AAS
	Implementation Date: 06/01/1982
Network:	**Annual Operating Costs ($000):** 16.2
Hardware: TCC Amdahl	**Software:** IDMS
System Users:	

AIRPORT PAVEMENT ANALYSIS

System No.: 080301

Description: Assists in the analysis and evaluation of pavement design and construction through three engineering and evaluation modeling programs.	**IRMP Information Area:** Airports
	Responsible Organization: AAS
	System Owner: AAS
	Software Owner: AAS
	Implementation Date: 01/01/1983
Network:	**Annual Operating Costs ($000):** 16.2
Hardware: TCC Amdahl	**Software:** FORTRAN

System Users:

RUNWAY FRICTION MEASUREMENT

System No.: 080302

Description: Supports statistical analysis of data collected in runway surface surveys petformed for AAS.	**IRMP Information Area:** Airports
	Responsible Organization: AAS
	System Owner: AAS
	Software Owner: AAS
	Implementation Date: 06/01/1982
Network:	**Annual Operating Costs ($000):** 16.2
Hardware: TCC Amdahl	**Software:** IDMS

System Users:

REGIONAL GRANTS MANAGEMENT SYSTEM

System No.: 080307

Description:

Contains detailed program management data for administration of airport grants-in-aid.

IRMP Information Area: Airports

Responsible Organization: ARP-10

System Owner: ARP

Software Owner: ARP

Implementation Date: 02/01/1985

Network:

Annual Operating Costs ($000): 244.4

Hardware:

DG MV8000

Software:

COBOL

System Users:

BIRD HAZARD SYSTEM

System No.: 080311

Description:

Supports analysis of data collected about bird and animal strikes.

IRMP Information Area: Airports

Responsible Organization: AAS-390

System Owner: AAS

Software Owner: AAS

Implementation Date: 10/01/1985

Network:

Annual Operating Costs ($000): 16.2

Hardware:

IBM PC-XT

Software:

R:Base 4000

System Users:

NATIONAL PLAN OF INTEGRATED AIRPORT SYSTEMS

System No.: 080397

Description:	IRMP Information Area:
Provides a database to support aircraft planning and the publication of the National Plan of Integrated Airport Systems.	Airports
	Responsible Organization: APP
	System Owner: APP
	Software Owner: APP
	Implementation Date: 01/01/1983
Network:	Annual Operating Costs ($000): 187.4
Hardware: Boeing	Software: RUS
System Users:	

AIRPORT MIS

System No.: 080398

Description:	IRMP Information Area:
Contains program summary data and off ice automation capabilities to support the airports complex.	Airports
	Responsible Organization: ARP
	System Owner: ARP
	Software Owner: ARP
	Implementation Date: 06/01/1983
Network: ADTN	Annual Operating Costs ($000): 191.0
Hardware: DEC System 10	Software: System 1022
System Users:	

NATIONAL PLAN OF INTEGRATED AIRPORT SYSTEMS

System No.: 080397

Description:	IRMP Information Area:
Provides a database to support aircraft planning and the publication of the National Plan of Integrated Airport Systems.	Airports
	Responsible Organization: APP
	System Owner: APP
	Software Owner: APP
	Implementation Date: 01/01/1983
Network:	Annual Operating Costs ($000): 187.4
Hardware: Boeing	Software: RUS
System Users:	

AIRPORT MIS

System No.: 080398

Description:	IRMP Information Area:
Contains program summary data and off ice automation capabilities to support the airports complex.	Airports
	Responsible Organization: ARP
	System Owner: ARP
	Software Owner: ARP
	Implementation Date: 06/01/1983
Network: ADTN	Annual Operating Costs ($000): 191.0
Hardware: DEC System 10	Software: System 1022
System Users:	

AIRPORTS GRANTS MANAGEMENT SYSTEM

System No.: 190301

Description: Develops and maintains a management information system of methods and data for estimating costs of airports for financial planning and tracking of grants.	**IRMP Information Area:**	Airports
	Responsible Organization:	ASW-600
	System Owner:	ASW-600
	Software Owner:	ASW-44
	Implementation Date:	02/01/1978
Network:	**Annual Operating Costs ($000):**	5.0
Hardware: Personal Computers	**Software:** COBOL	
System Users:		

AIRPORTS GRANTS MANAGEMENT SYSTEM

System No.: 190301

Description: Develops and maintains a management information system of methods and data for estimating costs of airports for financial planning and tracking of grants.	**IRMP Information Area:**	Airports
	Responsible Organization:	ASW-600
	System Owner:	ASW-600
	Software Owner:	ASW-44
	Implementation Date:	02/01/1978
Network:	**Annual Operating Costs ($000):**	5.0
Hardware: Personal Computers	**Software:** COBOL	
System Users:		

16.2 AIR TRAFFIC CONTROL (ATC) AND AIRSPACE INFORMATION AREA

ONGOING SYSTEMS SUMMARY

Presented below is a list of ongoing information resources systems associated with this information area. The list identifies the FAAagency-level missions, FAA goals, and FY89 objectives supported by each project. More detailed information may be found in the individual *Fact Sheets* which follow.

ONGOING SYSTEMS LIST

System Number	System Title	Annual Operating Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
020411	Aeronautical Information System	1095.0	1,2,3,4,5	1,3,4,6,7	63
020412	Air Traffic Operations Service Publication System	375.0	1,2,3,4,5	1,3,4,6,7	63
020413	Airspace Rules Processing And Reporting System (ARRRS)	117.0	1,2	1,3,4,6,7	63
020414	Air Traffic Rules Information Processing Systems (AIRTRIPS)	150.0	1,2,4	1,3,4,6	53
090485	Aircraft Management Information System (AMIS)	946.0	1,2,3,4,5	1,4,6,7	16
120409	Air Traffic Count System	27.0	1,2,5	1,6	53
140401	Air Traffic Performance Indicators	11.3	2	4	63
140402	Air Traffic Statistical Reporting	11.3	2	4	53
140414	Fuel/Burn Model	12.0	1,2,4	4	53
180401	Traffic Count	16.0	5	3,4,7	21,22,71
190401	Air Traffic Count Data	4.5	1,2,5	6	16,21,22,32, 42,63,73
190402	Air Traffic Density	5.0	1,2,5	6	16,21,32, 42,73
190407	Obstruction, Evaluation, and Airport Airspace Analysis	175.0	1,2,5		16,21,22, 23,31,32, 42,63,71
TOTAL		2945.1			

FAA Missions Supported:
1 Promotion of aviation safety.
2 Efficient utilization of airspace.
3 Promotion of air commerce and aviation at home and abroad
4 Fulfillment of national defense requirements.
5 Efficient and economical program administration.

FAA Goals Supported:
1 Enhance U.S. Aviation Safety.
3 Develop, refine and implement FAA programs and long-range plans.
4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.
6 Reduce regulatory and administrative burden.
7 Promote USA/FAA pre-eminence in the world aviation community.

FAA FY89 Objectives Supported:

AVIATION SAFETY:

16 Place renewed emphasis on general aviation accident prevention. Reduce the number of accidents by 5% from the FY88 base.

19 Decrease operational errors by 5% from the FY88 base.

CAPACITY:

21 Expand the use of the National Airspace System Performance Analysis Capability (NASPAC) to plan for the needed NAS capacity enhancements.

22 Increase en route airspace capacity by establishing multiple routes between congested terminal areas. Improve the NAS system performance by reducing daily delays of 15 minutes or more by 5% from the FY88 base.

23 Assist state and local governments in planning for new airport construction, and in expanding the capacity of existing airports.

THE NAS PLAN:

31 Complete the Microwave Landing System acceptance testing, and commission the first site.

32 Maintain the thrust of the National Airspace System Plan and achieve 90% of the published milestones, as reflected in the FY89 schedule.

GOVERNMENT/INDUSTRY PROMOTION OF AVIATION:

42 Expand the Minnesota "partnership*' example of working closely with state governments to coordinate research programs, aviation career education and training programs, and airport and general aviation planning.

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

HUMAN RELATIONS:

71 Emphasize professionalism and pride in the FAA work force and increase its involvement in decision-making by taking positive action at all levels of the agency in response to the SFA and by developing a succession plan for career leadership positions.

73 Improve recruitment of the FAA work force by shortening the hiring process for ATC specialists by at least two-thirds, by meeting the FY89 work force targets, and by developing an alternative compensation program for all safety-related occupations.

FAA FY89 Objectives Supported:

AVIATION SAFETY:

16 Place renewed emphasis on general aviation accident prevention. Reduce the number of accidents by 5% from the FY88 base.

19 Decrease operational errors by 5% from the FY88 base.

CAPACITY:

21 Expand the use of the National Airspace System Performance Analysis Capability (NASPAC) to plan for the needed NAS capacity enhancements.

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GOVERNMENT/INDUSTRY PROMOTION OF AVIATION:

42 Expand the Minnesota "partnership*' example of working closely with state governments to coordinate research programs, aviation career education and training programs, and airport and general aviation planning.

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73 Improve recruitment of the FAA work force by shortening the hiring process for ATC specialists by at least two-thirds, by meeting the FY89 work force targets, and by developing an alternative compensation program for all safety-related occupations.

AIRSPACE RULES PROCESSING AND REPORTING SYSTEM (ARPRS)

System No.: 020413

Description: Contains the airspace descriptions, history, etc. of all airspace descriptions carried under parts 71, 73, and 75 of the Code of Federal Regulations. This system supports Headquarters AAT.	**IRMP Information Area:** Air Traffic Control (ATC) and Airspace
	Responsible Organization: ATO
	System Owner: AAT
	Software Owner: AAT
	Implementation Date: 07/07/1982
Network:	Annual Operating Costs ($900): 117.0
Hardware: Wang VS1 OOA	Software: COBOL
System Users:	

AIR TRAFFIC RULES INFORMATION PROCESSING SYSTEMS (AIRTRIPS)

System No.: 020414

Description: Contains statute description and historical data for petitions, exemptions, and rulemaking actions associated with select sections of Federal Aviation Regulations.	IRMP Information Area: Air Traffic Control (ATC) and Airspace
	Responsible Organization: ATO
	System Owner: AAT
	Software Owner: AAT
	Implementation Date: 09/01/1983
Network:	Annual Operating Costs ($900): 150.0
Hardware: Wang VS1 OOE	Software: COBOL
System Users:	

AIRSPACE RULES PROCESSING AND REPORTING SYSTEM (ARPRS)

System No.: 020413

Description: Contains the airspace descriptions, history, etc. of all airspace descriptions carried under parts 71, 73, and 75 of the Code of Federal Regulations. This system supports Headquarters AAT.	IRMP Information Area: Air Traffic Control (ATC) and Airspace
	Responsible Organization: ATO
	System Owner: AAT
	Software Owner: AAT
	Implementation Date: 07/07/1982
Network:	Annual Operating Costs ($000): 117.0
Hardware: Wang VSI OOA	Software: COBOL
System Users:	

AIR TRAFFIC RULES INFORMATION PROCESSING SYSTEMS (AIRTRIPS)

System No.: 020414

Description: Contains statute description and historical data for petitions, exemptions, and rulemaking actions associated with select sections of Federal Aviation Regulations.	IRMP Information Area: Air Traffic Control (ATC) and Airspace
	Responsible Organization: ATO
	System Owner: AAT
	Software Owner: AAT
	Implementation Date: 09/01/1983
Network:	Annual Operating Coats ($000): 150.0
Hardware: Wang VSI OOE	Software: COBOL
System Users:	

AIR TRAFFIC PERFORMANCE INDICATORS

System No.: 140401

Description: Produces statistical reports for analysis concerning costs of aircraft handled. Supports AEA-1 and AEA-500.	**IRMP Information Area:** Air Traffic Control (ATC) and Airspace
	Responsible Organization: AEA-54(
	System Owner: AEA-54(
	Software Owner: AEA-4
	Implementation Date: 10/15/198
Network:	**Annual Operating Costs ($000):** 11.:
Hardware: DG MV/15000	**Software:** COBOL
System Users:	

AIR TRAFFIC STATISTICAL REPORTING

System No.: 140402

Description: Provides reports reflecting summary data on aircraft handled at terminal, en route and at Flight Service facilities. Supports AEA-200, AEA-400, AEA-500, and AEA-600.	**IRMP Information Area:** Air Traffic Control (ATC) and Airspace
	Responsible Organization: AEA-540
	System Owner: AEA-540
	Software Owner: AEA-43
	Implementation Date: 10/15/1972
Network:	**Annual Operating Costs ($000):** 11.3
Hardware: DG MV/I 5000	**Software:** COBOL
System Users:	

FUEUBURN MODEL

System No.: 140414

Description: Estimates fuel consumption of commercial jet aircraft from path profile data. Supports AEA-500.	IRMP Information Area: Air Traffic Control (ATC) and Airspace
	Responsible Organization: AEA-530
	System Owner: AEA-530
	Software Owner: AEA-530
	Implementation Date: 04/10/1980
Network:	Annual Operating Costs ($000): 12.0
Hardware: IBM PC	Software: BASIC
System Users:	

TRAFFIC COUNT

System No.: 180401

Description: Gathers air traffic count data. Monitors the automation of air traffic activity including centers, terminals, and stations.	IRMP Information Area: Air Traffic Control (ATC) and Airspace
	Responsible Organization: AS0
	System Owner: AS0
	Software Owner: AS0
	Implementation Date: 12/07/1979
Network:	Annual Operating Costs ($000): 16.0
Hardware: DG MV/8000	Software: COBOL
System Users:	

FUEUBURN MODEL

System No.: 140414

Description: Estimates fuel consumption of commercial jet aircraft from path profile data. Supports AEA-500.	**IRMP Information Area:** Air Traffic Control (ATC) and Airspace
	Responsible Organization: AEA-530
	System Owner: AEA-530
	Software Owner: AEA-530
	Implementation Date: 04/10/1980
Network:	Annual Operating Costs ($000): 12.0
Hardware: IBM PC	Software: BASIC
System Users:	

TRAFFIC COUNT

System No.: 180401

Description: Gathers air traffic count data. Monitors the automation of air traffic activity including centers, terminals, and stations.	**IRMP Information Area:** Air Traffic Control (ATC) and Airspace
	Responsible Organization: ASO
	System Owner: ASO
	Software Owner: ASO
	Implementation Date: 12/07/1979
Network:	Annual Operating Costs ($000): 16.0
Hardware: DG MV/8000	Software: COBOL
System Users:	

OBSTRUCTION, EVALUATION, AND AIRPORT AIRSPACE ANALYSIS

System No.: 190407

Description:

Evaluates and analyzes data for four divisions: Air Traffic, Airway Facilities, Flight Standards, and Airports.

IRMP Information Area: Air Traffic Control (ATC) and Airspace

Responsible Organization: ASW-500

System Owner: ASW

Software Owner: ASW-44

Implementation Date: 09/01/1985

Network: PC-LAN

Annual Operating Costs ($000): 175.0

Herdware:

DG MV/15000
Compaq 286

Software:

FORTRAN F77
COBOL
XODIAC
SmarTerm 400

System Users:

OBSTRUCTION, EVALUATION, AND AIRPORT AIRSPACE ANALYSIS

System No.: 190407

Description:

Evaluates and analyzes data for four divisions: Air Traffic, Airway Facilities, Flight Standards, and Airports.

IRMP Information Area: Air Traffic Control (ATC) and Airspace

Responsible Organization: ASW-500

System Owner: ASW

Software Owner: ASW-44

Implementation Date: 09/01/1985

Network: PC-LAN

Annual Operating Costs ($000): 175.0

Herdware:

DG MV/15000
Compaq 286

Software:

FORTRAN F77
COBOL
XODIAC
SmarTerm 400

System Users:

16.3 AVIATION ACTIVITY INFORMATION AREA

ONGOING SYSTEMS SUMMARY

Presented below is a list of ongoing information resources systems associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. More detailed information may be found in the individual *Fact Sheets* which follow,

ONGOING SYSTEMS LIST

System Number	System Title	Annual Operating Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
010509	Aircraft Statistical System	45.1	1,2,3,4,5	1,3,4,7	53
010510	Air Carrier Activity Information System	151.4	1,2,3,4,5	1,3,4,7	63
010511	General Aviation Activity and Avionics Survey System	400.8	1,2,3,5	1,3,4,7	63
100590	Aircraft Document Index System	103.4	5	1	63
125603	Aircraft Management	1.5	1,2,5	1,4	63
TOTAL		702.2			

FAA **Missions Supported:**

1 Promotion of aviation safety.
2 Effkient utilization of airspace.
3 Promotion of air commerce and aviation at home and abroad.
4 Fulfillment of national defense requirements.
5 Efficient and economical program administration.

FAA Goals Supported:

1 Enhance U.S. Aviation Safety.
3 Develop, refine and implement FAA programs and long-range plans.
4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.
‘7 Promote USA/FAA pre-eminence in the world aviation community.

FAA **FY89 Objectives Supported:**

MANAGEMENT COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

AIRCRAFT STATISTICAL SYSTEM

System No.: 010509

Description:	IRMP Information Area:
Produces aircraft inventory statistics for analysis, based on an annual extract from the Aircraft Registration System.	Aviation Activity
	Responsible Organization: AMS-42C
	System Owner: AMS-42C
	Software Owner: AAC-330
	Implementation Date: 01/01/1962
Network:	Annual Operating Costs ($000): 45.1
Hardware: IBM 3084	Software: ADABAS, COBOL, EASYTRIEVE

System Users: AAC

AIR CARRIER ACTIVITY INFORMATION SYSTEM

System No.: 010510

Description:	IRMP Information Area:
Collects, maintains, and tabulates passenger enplanement data from commercial carriers. This data is used to distribute Airport and Airway Improvement Funds.	Aviation Activity
	Responsible Organization: AMS-420
	System Owner: AMS-420
	Software Owner: AMS-420
	Implementation Date: 06/01/1977
Network: ADTN	Annual Operating Costs ($000): 151.4
Hardware: DEC System 10	Software: TOPS 10 OS, System 1022, SCOPE 2, FORTRAN

System Users: AMS

AIRCRAFT STATISTICAL SYSTEM

System No.: 010509

Description:	IRMP information Area:
Produces aircraft inventory statistics for analysis, based on an annual extract from the Aircraft Registration System.	Aviation Activity
	Responsible Organization: AMS-42C
	System Owner: AMS-42C
	Software Owner: AAC-330
	Implementation Date: 01/01/1962
Network:	Annual Operating Costs ($000): 45.1
Hardware: IBM 3084	Software: ADABAS, COBOL, EASYTRIEVE

System Users: AAC

AIR CARRIER ACTIVITY INFORMATION SYSTEM

System No.: 010510

Description:	IRMP Information Area:
Collects, maintains, and tabulates passenger enplanement data from commercial carriers. This data is used to distribute Airport and Airway Improvement Funds.	Aviation Activity
	Responsible Organization: AMS-42C
	System Owner: AMS-42C
	Software Owner: AMS-42C
	Implementation Date: 06/01/1977
Network: ADTN	Annual Operating Costs ($000): 151.4
Hardware: DEC System 10	Software: TOPS 10 OS, System 1022, SCOPE 2, FORTRAN

System Users: AMS

AIRCRAFT MANAGEMENT

System No.: 120503

Description: Reports regional expenditures and transactions of FAA-owned and FAA-rented aircraft.	**IRMP Information Area:** Aviation Activity
	Responsible Organization: ACE
	System Owner: ACE
	Software Owner: ACE
	Implementation Date: 01/01/1968
Network: N/A	**Annual Operating Costs ($000):** 1.5
Hardware: DG MV8000	**Software:** COBOL
System Users:	

AIRCRAFT MANAGEMENT

System No.: 120503

Description: Reports regional expenditures and transactions of FAA-owned and FAA-rented aircraft.	**IRMP Information Area:** Aviation Activity
	Responsible Organization: ACE
	System Owner: ACE
	Software Owner: ACE
	Implementation Date: 01/01/1968
Network: N/A	**Annual Operating Costs ($000):** 1.5
Hardware: DG MV8000	**Software:** COBOL
System Users:	

FAA FY89 Objectives Supported:

AVIATION SAFETY:

11 Initiate a test of synthetic vision technology as a pilot aid for adverse weather conditions.

12 Implement an aeronautical satellite communications program to improve the safety and efficiency of transoceanic flight.

13 Implement an air carrier self-evaluation safety program. Develop the regulatory framework for carriers to "certify" their compliance with the Federal Aviation Regulations.

14 Conduct at least four (4) safety and efficiency reviews and meet 80% of the corrective action milestones.

15 Review the certificated airman training program and begin implementing recommendations.

16 Place renewed emphasis on general aviation accident prevention. Reduce the number of accidents by 5% from the FY88 base.

17 Develop and initiate a comprehensive human factors program for pilots and controllers.

18 Establish a comprehensive timetable for the implementation of the recommendations of the recent International Conference on Aging Airplanes.

19 Decrease operational errors by 5% from the FY88 base.

CAPACITY:

23 Assist state and local governments in planning for new airport construction, and in expanding the capacity of existing airports.

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative tune needed to respond to internal and external requests.

INSTRUMENT APPROACH PROCEDURE AUTOMATION (IAPA)

System No.: 090686

Description:	IRMP Information Area:
Automates the instrument flight program to include the development, review, storage, and electronic transmittal of instrument approach procedures.	Aviation Safety Analysis System (ASAS)
	Responsible Organization: AVN
	System Owner: AVN
	Software Owner: AAC
	Implementation Date: 06/01/1978
Network:	Annual Operating Costs ($000): 2533.0
Hardware: DG MV/8000 IBM 3084	Software: FORTRAN 77+
System Users:	

COMPREHENSIVE AIRMAN INFORMATION SYSTEM (CAIS)

System No.: 100694

Description:	IRMP Information Area:
Maintains a current database to support on-line access to airmen certification information. Batch mode provides reports, airmen directories, and airmen statistics.	Aviation Safety Analysis System (ASAS)
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 07/01/1973
Network:	Annual Operating Costs ($000): 600.7
Hardware: IBM 3084 Harris Display Station	Software: ADABAS Natural Intercomm
System Users:	

INSTRUMENT APPROACH PROCEDURE AUTOMATION (IAPA)

System No.: 090686

Description:	IRMP Information Area:
Automates the instrument flight program to include the development, review, storage, and electronic transmittal of instrument approach procedures.	Aviation Safety Analysis System (ASAS)
	Responsible Organization: AVN
	System Owner: AVN
	Software Owner: AAC
	Implementation Date: 06/01/1978
Network:	Annual Operating Costs ($000): 2533.0
Hardware: DG MV/8000 IBM 3084	Software: FORTRAN 77+
System Users:	

COMPREHENSIVE AIRMAN INFORMATION SYSTEM (CAIS)

System No.: 100694

Description:	IRMP Information Area:
Maintains a current database to support on-line access to airmen certification information. Batch mode provides reports, airmen directories, and airmen statistics.	Aviation Safety Analysis System (ASAS)
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 07/01/1973
Network:	Annual Operating Costs ($000): 600.7
Hardware: IBM 3084 Harris Display Station	Software: ADABAS Natural Intercomm
System Users:	

AVIATION MEDICAL EXAMINER SYSTEM

System No.: 100690

Description: Maintains a master file of medical doctors and military installations authorized to perform medical examinations and issue FAA medical certificates. Provides various reports.	**IRMP Information Area:** Aviation Safety Analysis System (ASAS) **Responsible Organization:** AAC **System Owner:** AAC **Software Owner:** AAC **Implementation Date:** 01/01/1977
Network:	**Annual Operating Costs ($000):** 23.5
Hardware: IBM 3084 Harris Display Station Personal Computers	**Software:** ADABAS Natural Intercomm COBOL Complete
System Users:	

TECHNICAL INSPECTION SCHEDULE

System No.: 120613

Description: Monitors regional facility performance.	**IRMP Information Area:** Aviation Safety Analysis System (ASAS) **Responsible Organization:** ACE System Owner: ACE Software Owner: ACE **Implementation Date:** 06/01/1978
Network: UNINET	**Annual Operating Costs ($000):** 5.3
Hardware: DG MV/8000	**Software:** Interactive COBOL
System Users:	

INCIDENT TRACKING SYSTEM

System No.: 150601

Description: Tracks near-midair collisions, pilot deviations, operational deviations, and operational errors. Provides 26 data elements associated with each incident. User access to the database provides nineteen different types of inquiries.	**IRMP Information Area:** Aviation Safety Analysis System (ASAS)
	Responsible Organization: AGL-67
	System Owner: AGL-505
	Software Owner: AGL-67
	Implementation Date: 01/01/1986
Network: LAN	**Annual Operating Costs ($000):** 4.5
Hardware: DG MV/15000	**Software:** COBOL DG/DBMS
System Users: AGL	

SECURITY

System No.: 180602

Description: Supports the Air Traffic scheduling and control of inspecting the detection devices at airports.	**IRMP Information Area:** Aviation Safety Analysis System (ASAS)
	Responsible Organization: ASC
	System Owner: ASC
	Software Owner: AS0
	Implementation Date: 12/19/1983
Network:	**Annual Operating Costs ($000):** 13.4
Hardware: DG MV/8000	**Software:** COBOL INFOS
System Users:	

INCIDENT TRACKING SYSTEM

System No.: 150601

Description: Tracks near-midair collisions, pilot deviations, operational deviations, and operational errors. Provides 26 data elements associated with each incident. User access to the database provides nineteen different types of inquiries.	**IRMP Information Area:** Aviation Safety Analysis System (ASAS)
	Responsible Organization: AGL-67
	System Owner: AGL-505
	Software Owner: AGL-67
	Implementation Date: 01/01/1986
Network: LAN	**Annual Operating Costs ($000):** 4.5
Hardware: DG MV/15000	**Software:** COBOL DG/DBMS
System Users: AGL	

SECURITY

System No.: 180602

Description: Supports the Air Traffic scheduling and control of inspecting the detection devices at airports.	**IRMP Information Area:** Aviation Safety Analysis System (ASAS)
	Responsible Organization: ASC
	System Owner: ASC
	Software Owner: AS0
	Implementation Date: 12/19/1983
Network:	**Annual Operating Costs ($000):** 13.4
Hardware: DG MV/8000	**Software:** COBOL INFOS
System Users:	

FAA Missions Supported:

1 Promotion of aviation safety.

2 Efficient utilization of airspace.

4 Fulfillment of national defense requirements.

5 Efficient and economical program administration.

FAA Goals Supported:

1 Enhance U.S. Aviation Safety.

2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.

3 Develop, **refine** and implement FAA programs and long-range plans.

4 Assure effective and efficient utilization of human, fiscal, material and **airspace/airports** resources.

6 Reduce regulatory and administrative burden.

7 Promote USA/FAA pm-eminence in the world aviation community.

FAA FY89 Objectives Supported:

AVIATION SAFETY:

13 Implement an air carrier self-evaluation safety program. Develop the regulatory framework for carriers to "certify" their compliance with the Federal Aviation Regulations.

16 Place renewed emphasis on general aviation accident prevention. Reduce the number of accidents by 5% from the **FY88** base.

19 Decrease operational errors by 5% from the **FY88** base.

CAPACITY:

22 Increase en route airspace capacity by establishing multiple routes between congested terminal areas. Improve the NAS system performance by reducing daily delays of 15 minutes or more by 5% from the FY88 base.

23 Assist state and local governments in planning for new airport construction, and in expanding the capacity of existing airports.

24 Complete development of criteria, procedures, and standards for the full implementation of the MLS.

THE NAS PLAN:

31 Complete the Microwave Landing System acceptance testing and commission the first site.

32 Maintain the thrust of **the** National Airspace System Plan and achieve 90% of the published milestones, as reflected in the FY89 schedule.

33 Publish a Research, Engineering, and Development **(R,E,&D)** Plan.

GOVERNMENT/INDUSTRY PROMOTION OF AVIATION:

42 Expand the Minnesota "partnership" example of working closely with state governments to **coordinate** research programs, aviation career education and training programs, and airport and general aviation planning.

FAA TRAINING:

51 Update FAA training to meet 1990's technologies by establishing a new office of training and higher education, by conducting three prototype projects in conjunction with universities and industry, and by hosting two symposia on FAA job-related training.

MANAGEMENT/COMMUNICATION:

61 Issue the operating procedures to further implement straight-line management.

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

HUMAN RELATIONS:

71 Emphasize professionalism and pride in the FAA work force and increase its involvement in decision-making by taking positive action at all levels of the agency in response to the SFA and by developing a succession plan for career leadership positions.

FAA TRAINING:

51 Update FAA training to meet 1990's technologies by establishing a new office of training and higher education, by conducting three prototype projects in conjunction with universities and industry, and by hosting two symposia on FAA job-related training.

MANAGEMENT/COMMUNICATION:

61 Issue the operating procedures to further implement straight-line management.

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

HUMAN RELATIONS:

71 Emphasize professionalism and pride in the FAA work force and increase its involvement in decision-making by taking positive action at all levels of the agency in response to the SFA and by developing a succession plan for career leadership positions.

BUDGETARY AUTHORIZATION SYSTEM

System No.: 010724

Description: Distributes a list of agency funds by appropriation, region, and limitation. Produces budgetary authorizations on FAA Form 2510. Records and produces ledger reports from all fiscal year transactions.	**IRMP Information Area:** Financial Resources
	Responsible Organization: ABU-20
	System Owner: ABU-300
	Software Owner: ABU
	Implementation Date: 01/01/1977
Network:	Annual Operating Costs ($000): 34.0
Hardware: DG MV/8000 Dasher 400 Terminals	Software: COBOL AOSNS
System Users:	

COAST GUARD PAYROLL

System No.: 100709

Description: Provides a monthly accounting report showing the payroll of Coast Guard civilian employees. This information reflects employee expenditures by region and division, and by amount.	**IRMP information Area:** Financial Resources
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 06/01/1974
Network:	Annual Operating Costs ($000): 5.1
Hardware: IBM 3084	Software: COBOL IAM SYNCSORT
System Users:	

SPECIAL MAINTENANCE PROJECT/FIELD MAINTENANCE PARTIES (FMP)

System No.: 120704

Description: Provides current month data and cumulative special maintenance project status, maintains record of Airway Facilities FMP for type of work, costs, and budget projections.	**IRMP Information Area:** Financial Resources
	Responsible Organization: ACE
	System Owner: ACE
	Software Owner: ACE
	Implementation Date: 06/01/1986
Network: N/A	**Annual Operating Costs ($000):** 1.(
Hardware: DG MV/8000	**Software:** COBOL
System Users:	

MOTOR VEHICLE MANAGEMENT

System No.: 120705

Description: Controls inventory of motor vehicles, including Year-To-Date cost control of GSA vehicles.	**IRMP Information Area:** Financial Resource:
	Responsible Organization: ACE
	System Owner: ACE
	Software Owner: ACE
	Implementation Date: 06/01/1986
Network: UNINET	**Annual Operating Costs ($000):** 18.C
Hardware: DG MVt8000	**Software:** COBOL
System Users:	

SPECIAL MAINTENANCE PROJECT/FIELD MAINTENANCE PARTIES (FMP)

System No.: 120704

Description: Provides current month data and cumulative special maintenance project status, maintains record of Airway Facilities FMP for type of work, costs, and budget projections.	**IRMP Information Area:** Financial Resources
	Responsible Organization: ACE
	System Owner: ACE
	Software Owner: ACE
	Implementation Date: 06/01/1986
Network: N/A	**Annual Operating Costs ($000):** 1.(
Hardware: DG MV/8000	**Software:** COBOL
System Users:	

MOTOR VEHICLE MANAGEMENT

System No.: 120705

Description: Controls inventory of motor vehicles, including Year-To-Date cost control of GSA vehicles.	**IRMP Information Area:** Financial Resource:
	Responsible Organization: ACE
	System Owner: ACE
	Software Owner: ACE
	Implementation Date: 06/01/1986
Network: UNINET	**Annual Operating Costs ($000):** 18.C
Hardware: DG MVt8000	**Software:** COBOL
System Users:	

ENERGY CONSERVATION

System No.: 120788

Description: Encompasses motor vehicle mileage and utilities (i.e., gas and electricity) with a history of its use.	**IRMP Information Area:** Financial Resources
	Responsible Organization: ACE
	System Owner: ACE
	Software Owner: ACE
	Implementation Date: 06/01/1978
Network: N/A	**Annual Operating Costs ($000):** 4.3
Hardware: DG MV/8000	**Software:** COBOL
System Users:	

MAN-HOURS PERSONNEL COSTS

System No.: 140703

Description: Provides analysis on accrual of man-hours and personnel costs at FY end by appropriation, object subclass, and pay system. Supports AEA-20.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AEA-67
	System Owner: AAA
	Software Owner: AEA-43
	Implementation Date: 09/15/1980
Network:	**Annual Operating Costs ($000):** 9.6
Hardware: DG MV/15000	**Software:** COBOL
System Users:	

ENERGY CONSERVATION

System No.: 120788

Description: Encompasses motor vehicle mileage and utilities (i.e., gas and electricity) with a history of its use.	**IRMP Information Area:** Financial Resources
	Responsible Organization: ACE
	System Owner: ACE
	Software Owner: ACE
	Implementation Date: 06/01/1978
Network: N/A	**Annual Operating Costs ($000):** 4.3
Hardware: DG MV/8000	**Software:** COBOL
System Users:	

MAN-HOURS PERSONNEL COSTS

System No.: 140703

Description: Provides analysis on accrual of man-hours and personnel costs at FY end by appropriation, object subclass, and pay system. Supports AEA-20.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AEA-67
	System Owner: AAA
	Software Owner: AEA-43
	Implementation Date: 09/15/1980
Network:	**Annual Operating Costs ($000):** 9.6
Hardware: DG MV/15000	**Software:** COBOL
System Users:	

MOTOR LICENSING SYSTEM

System No.: 140710

Description: Provides automatic printing of FAA Form 4670-l (operator's ID card application) and SF-46, in addition to providing reports. Supports AEA-50 and AEA-700.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AEA-57B
	System Owner: AEA-54C
	Software Owner: AEA-43
	Implementation Date: 06/15/1980
Network:	**Annual Operating Costa ($000):** 5.4
Hardware: DG MV/10000 DG Dasher Terminals DG Dasher D460 Terminal	**Software:** $EDIT COBOL
System Users:	

LOCAL PAYROLL REPORTING

System No.: 140711

Description: Provides back-end payroll reports and interface files not provided in the Uniform Payroll System. Supports AEA-10, AEA-20, and AEA-30.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AEA-20
	System Owner: AEA-20
	Software Owner: AEA-43
	Implementation Date: 11/15/1981
Network:	**Annual Operating Costa (WOO):** 59.0
Hardware: DG MV/15000	**Software:** COBOL
System Users:	

MOTOR LICENSING SYSTEM

System No.: 140710

Description:

Provides automatic printing of FAA Form 4670-l (operator's ID card application) and SF-46, in addition to providing reports. Supports AEA-50 and AEA-700.

IRMP Information Area: Financial Resources

Responsible Organization: AEA-57B

System Owner: AEA-54C

Software Owner: AEA-43

Implementation Date: 06/15/1980

Network:

Annual Operating Costs ($000): 5.4

Hardware:

DG MV/15000
DG Dasher Terminals
DG Dasher D460 Terminal

Software:

$EDIT
COBOL

System Users:

LOCAL PAYROLL REPORTING

System No.: 140711

Description:

Provides back-end payroll reports and interface files not provided in the Uniform Payroll System. Supports AEA-10, AEA-20, and AEA-30.

IRMP Information Area: Financial Resources

Responsible Organization: AEA-20

System Owner: AEA-20

Software Owner: AEA-43

Implementation Date: 11/15/1981

Network:

Annual Operating Costs (WOO): 59.0

Hardware:

DG MV/15000

Software:

COBOL

System Users:

IN-TRANSIT ACCOUNTING

System No.: 180701

Description: Generates reports of financial detail records. Supports the materiel in-transit accounting.	**IRMP Information Area:** Financial Resources
	Responsible Organization: ASO
	System Owner: ASO
	Software Owner: ASO
	Implementation Date: 06/01/1974
Network:	**Annual Operating Costs ($000):** 7.2
Hardware: DG MV/8000	**Software:** COBOL INFOS-II
System Users:	

ACCOUNTING (TRAVEL ADVANCE)

System No.: 180703

Description: Provides reports of outstanding travel advances.	**IRMP Information Area:** Financial Resources
	Responsible Organization: ASO
	System Owner: ASO
	Software Owner: ASO
	Implementation Date: 06/01/1974
Network:	**Annual Operating Costs ($000):** 9.2
Hardware: DG MV/8000	**Software:** COBOL
System Users:	

FACILITIES AND EQUIPMENT

System No.: 180704

Description: Supports recurring cost analysis associated with the construction, alteration, and removal of air navigation facilities. The data is extracted from the Uniform Accounting System.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AS0
	System Owner: AS0
	Software Owner: AS0
	Implementation Date: 03/01/1978
Network:	**Annual Operating Cork ($000):** 21.6
Hardware: DG MV8000	**Software:** COBOL
System Users:	

PAYROLL

System No.: 180705

Description: Supports accounting. The data in the Local Payroll System is from the Uniform Payroll System.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AS0
	System Owner: AS0
	Software Owner: AS0
	Implementation Date: 06/01/1970
Network:	**Annual Operating Costs ($000):** 25.6
Hardware: DG MV8000	**Software:** COBOL Present
System Users:	

FACILITIES AND EQUIPMENT

System No.: 180704

Description: Supports recurring cost analysis associated with the construction, alteration, and removal of air navigation facilities. The data is extracted from the Uniform Accounting System.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AS0
	System Owner: AS0
	Software Owner: AS0
	Implementation Date: 03/01/1978
Network:	**Annual Operating Costs ($000):** 21.6
Hardware: DG MV/8000	**Software:** COBOL
System Users:	

PAYROLL

System No.: 180705

Description: Supports accounting. The data in the Local Payroll System is from the Uniform Payroll System.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AS0
	System Owner: AS0
	Software Owner: AS0
	Implementation Data: 06/01/1970
Network:	**Annual Operating Costs ($000):** 25.6
Hardware: DG MV/8000	**Software:** COBOL Present
System Users:	

LOCAL ACCOUNTING INTERFACES

System No.: 190704

Description: Provides financial information (not provided by the Uniform Accounting System) to Southwest Region users.	**IRMP Information Area:** Financial Resources
	Responsible Organization: ASW-42
	System Owner: ASW-42
	Software Owner: ASW-44
	Implementation Date: 06/01/1962
Network:	**Annual Operating Costs ($000):** 26.0
Hardware: DG MV/15000	**Software:** COBOL
System Users:	

FACILITIES AND EQUIPMENT COST SYSTEM

System No.: 190706

Description: Provides Facilities and Equipment cost reports by status, job order, project type, type of work, location, monetary estimates, allocations, etc.	**IRMP Information Area:** Financial Resources
	Responsible Organization: ASW-400
	System Owner: ASW-400
	Software Owner: ASW-44
	Implementation Date: 05/01/1984
Network:	**Annual Operating Costs ($000):** 7.0
Hardware: PCS	**Software:** dBASE
System Users:	

LOCAL ACCOUNTING INTERFACES

System No.: 190704

Description: Provides financial information (not provided by the Uniform Accounting System) to Southwest Region users.	**IRMP Information Area:** Financial Resources
	Responsible Organization: ASW-42
	System Owner: ASW-42
	Software Owner: ASW-44
	Implementation Date: 06/01/1962
Network:	**Annual Operating Costs ($000):** 26.0
Hardware: DG MV/15000	**Software:** COBOL
System Users:	

FACILITIES AND EQUIPMENT COST SYSTEM

System No.: 190706

Description: Provides Facilities and Equipment cost reports by status, job order, project type, type of work, location, monetary estimates, allocations, etc.	**IRMP Information Area:** Financial Resources
	Responsible Organization: ASW-400
	System Owner: ASW-400
	Software Owner: ASW-44
	Implementation Date: 05/01/1984
Network:	**Annual Operating Costs ($000):** 7.0
Hardware: PCS	**Software:** dBASE
System Users:	

TRAVEL ADVANCE, ALLOTMENT ACCOUNTING REGION

System No.: 200703

Description: Provides reports of outstanding travel advances and current liquidations.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AWPQO
	System Owner: AWP-44
	Software Owner: AWP-43
	Implementation Date: 07/10/1984
Network:	**Annual Operating Costs ($000):** 51.1
Hardware: DG MV/II 5000	**Software:** COBOL ANSI 74
System Users:	

PCS TRAVEL TAX RETURN (RITA)

System No.: 200704

Description: Provides reports of outstanding Permanent Change of Station (PCS) obligations and liquidation. Uses the DG MV/8000.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AWP-44
	System Owner: AWP-44
	Software Owner: AWP-43
	Implementation Date: 05/15/1985
Network:	**Annual Operating Costs ($000):** 6.9
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

PAYROLL (LOCAL)

System No.: 200705

Description: Implements the National Uniform Payroll System (UPS) with locally-required information.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AWP-44
	System Owner: AWP-44
	Software Owner: AWP-43
	Implementation Date: 09/30/1984
Network: ADTN	**Annual Operating Costs ($000):** 4.6
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

FACILITIES AND EQUIPMENT COST ACCOUNTING

System No.: 200707

Description: Maintains cost expenditures for facilities and equipment projects.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AWP-44
	System Owner: AWP-44
	Software Owner: AWP-43
	Implementation Date: 05/10/1984
Network: None	**Annual Operating Costs ($000):** 13.3
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

PAYROLL (LOCAL)

System No.: 200705

Description: Implements the National Uniform Payroll System (UPS) with focally-required information.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AWP-44
	System Owner: AWP-44
	Software Owner: AWP-43
	Implementation Date: 09/30/1984
Network: ADTN	**Annual Operating Costs ($000):** 4.6
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

FACILITIES AND EQUIPMENT COST ACCOUNTING

System No.: 200707

Description: Maintains cost expenditures for facilities and equipment projects.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AWP-44
	System Owner: AWP-44
	Software Owner: AWP-43
	Implementation Date: 05/10/1984
Network: None	**Annual Operating Costs ($000):** 13.3
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

AIR TRAFFIC OVERTIME DATA

System No.: 200711

Description: Reports air traffic overtime information.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AWP-44
	System Owner: AWP-44
	Software Owner: AWP-42
	Implementation Date: 10/04/1985
Network:	**Annual Operating Costs ($000):** 1X
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

AUTOMATED GTR CONTROL SYSTEM

System No.: 200712

Description: Provides reports of general ledger trial balances.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AWP-44
	System Owner: AWP-44
	Software Owner: AWP-43
	Implementation Date: 06/30/1986
Network:	**Annual Operating Costs ($000):** 2.1
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

AIR TRAFFIC OVERTIME DATA

System No.: 200711

Description: Reports air traffic overtime information.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AWP-44
	System Owner: AWP-44
	Software Owner: AWP-42
	Implementation Date: 10/04/1985
Network:	**Annual Operating Costs ($000):** 1X
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

AUTOMATED GTR CONTROL SYSTEM

System No.: 200712

Description: Provides reports of general ledger trial balances.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AWP-44
	System Owner: AWP-44
	Software Owner: AWP-43
	Implementation Date: 06/30/1986
Network:	**Annual Operating Costs ($000):** 2.1
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

MOTOR VEHICLE MANAGEMENT

System No.: 200732

Description: Provides control over motor vehicle usage. Its input consists of card deliveries from GSA.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AWP-43
	System Owner: AWP-052
	Software Owner: AWP-49
	Implementation Date: 09/30/1984
Network:	**Annual Operating Costs ($000):** 10.7
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

AND OPS FINANCIAL MANAGEMENT SYSTEM

System No.: 240701

Description: Provides accurate and timely financial information relative to the Operations Appropriation.	**IRMP Information Area:** Financial Resources
	Responsible Organization: AND-10
	System Owner: AND-10
	Software Owner: AND-10
	Implementation Date: 01/26/1987
Network:	**Annual Operating Costs ($000):** 10.0
Hardware: Everex 386	**Software:** dBASE III Quickreport
System Users:	

16.6 HUMAN RESOURCES INFORMATION AREA

ONGOING SYSTEMS SUMMARY

Presented below is a list of ongoing information resources systems associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. More detailed information may be found in the individual *Fact* Sheets which follow.

ONGOING SYSTEMS LIST

System Number	System Title	Annual Operating Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
010614	Air Traffic Staffing Standards	78.0	5	4	63
010615	Aviation Standards Staffing Standards	11.5	5	4	63
010653	Uniform Retirement	s3.3	5	4	63
030801	Employment Discrimination Tracking System	68.0	5	5	63
040801	Computer Aided Human Resources Planning System (CHURPS)	200.0	1,5	1,2,3,4	63
100852	ADP Project Management (PCM)	84.9	5	2,4	63
120803	Personnel Statistical System	23.0	5	4,6	63
140605	Local Personnel Management information Reporting	28.1	5	4	63
140816	Organizational Development Information System	30.5	5	2	63
150801	Personnel Reporting System	4.2	5	4,6	63
170801	Personnel Employment Tracking System (PETS)	17.7	1,5	4,6	63,72,73
170802	Supervisory identification and Development Program	11.4	2,5	1,4	22,42,63
180801	Minority Group Statistics	6.4	5	4,5	63,72
180802	Personnel Statistical System	50.0	5	4,5	63,73
190601	Minority Group Statistics	0.0	5	3	61,63,71, 72,73
190802	Personnel Staffing	4.5	5	3	61,63,71
200801	Drug/Alcohol Rehabilitation Tracking	1.1	5	2,4,6	63
200803	Airway Facilities Training History Requirements	2.2	5	2,4,6	63
200804	Position Description Master	13.2	5	2,4,6	63
200805	HRMD Project Control	4.0	5	2,4,6	63
200809	Personnel Statistical System	16.6	5	2,4,6	63
200810	Air Traffic Applicant Tracking System	66.4	5	2,4,6	63
200827	Personnel Workload Tracking - PD Log, OWCP, Retirement	36.1	5	2,4,6	63
200833	National Driver Registration	10.4	5	2,4,6	63
220816	Consolidated Personnel Management Information System (CPMIS)	3726.2	5	4,6	53
TOTAL		4605.5			

FAA Missions **Supported:**
1 Promotion of aviation safety.
2 Efficient utilization of airspace.
5 Efficient and economical program administration.

16.6 HUMAN RESOURCES INFORMATION AREA

ONGOING SYSTEMS SUMMARY

Presented below is a list of ongoing information resources systems associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. More detailed information may be found in the individual *Fact* Sheets which follow.

ONGOING SYSTEMS LIST

System Number	System Title	Annual Operating Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
010614	Air Traffic Staffing Standards	76.0	5	4	63
010615	Aviation Standards Staffing Standards	11.5	5	4	63
010653	Uniform Retirement	s3.3	5	4	63
030801	Employment Discrimination Tracking System	66.0	5	5	63
040801	Computer Aided Human Resources Planning System (CHURPS)	203.0	1,5	1,2,3,4	63
100652	ADP Project Management (PCM)	84.9	5	2,4	63
120803	Personnel Statistical System	23.0	5	4,6	63
140605	Local Personnel Management information Reporting	26.1	5	4	63
140816	Organizational Development Information System	30.5	5	2	63
150801	Personnel Reporting System	4.2	5	4,6	63
170801	Personnel Employment Tracking System (PETS)	17.7	1,5	4,6	63,72,73
170802	Supervisory identification and Development Program	11.4	2,5	1,4	22,42,63
180801	Minority Group Statistics	6.4	5	4,5	63,72
180802	Personnel Statistical System	50.0	5	4,5	63,73
190601	Minority Group Statistics	0.0	5	3	61,63,71, 72,73
190802	Personnel Staffing	4.5	5	3	61,63,71
200801	Drug/Alcohol Rehabilitation Tracking	1.1	5	2,4,6	63
200803	Airway Facilities Training History Requirements	2.2	5	2,4,6	63
200804	Position Description Master	13.2	5	2,4,6	63
200805	HRMD Project Control	4.0	5	2,4,6	63
200809	Personnel Statistical System	16.6	5	2,4,6	63
200810	Air Traffic Applicant Tracking System	66.4	5	2,4,6	63
200827	Personnel Workload Tracking - PD Log, OWCP, Retirement	36.1	5	2,4,6	63
200833	National Driver Registration	10.4	5	2,4,6	63
220816	Consolidated Personnel Management Information System (CPMIS)	3726.2	5	4,6	63
TOTAL		4605.5			

FAA Missions **Supported:**
1 Promotion of aviation safety.
2 Efficient utilization of airspace.
5 Efficient and economical program administration.

AIR TRAFFIC STAFFING STANDARDS

System No.: 010814

Description: Develops, revises, and processes staffing standards for Air Traffic.	**IRMP Information Area:** Human Resource:
	Responsible Organization: AMS-56E
	System Owner: AMS-56(
	Software Owner: AMS-56(
	Implementation Date: 01/15/198(
Network: BCS	**Annual Operating Costs ($000):** 78.(
Hardware: CDC	**Software:** SAS EASYTRIEVE SPSS BMDP
System Users:	

AVIATION STANDARDS STAFFING STANDARDS

System No.: 010815

Description: Develops, revises, and processes staffing standards for Aviation Standards.	**IRMP Information Area:** Human Resources
	Responsible Organization: AMS-560
	System Owner: AMS-560
	Software Owner: AMS-560
	Implementation Date: 01/15/198(
Network: BCS	**Annual Operating Costs ($000):** 11.5
Hardware:	**Software:** SAS
System Users:	

UNIFORM RETIREMENT

System No.: 010853

Description:	IRMP Information Area:
Manages the receipt, establishment, maintenance, and transmission of retirement records. Includes service history data, retirement reduction costing, recording and reconciling retirement deductions transferred in and out.	Human Resources
	Responsible Organization: AAA-100
	System Owner: AAA-100
	Software Owner: AAC
	Implementation Date: 01/01/1979
Network:	Annual Operating Costs ($000): 93.3
Hardware: IBM 3084 Four-Phase Teninals Data General	Software: COBOL ANS DATA IV COBOL
System Users:	

EMPLOYMENT DISCRIMINATION TRACKING SYSTEM

System No.: 030801

Description:	IRMP Information Area:
Tracks data related to the complaints of those employees and applicants who feel they have been discriminated against.	Human Resources
	Responsible Organization: ACR-1
	System Owner: ACR-1
	Software Owner: AMS-350
	Implementation Date: 10/01/1983
Network:	Annual Operating Costs ($000): 68.0
Hardware: Wang DG MV/8000	Software: COBOL
System Users:	

UNIFORM RETIREMENT

System No.: 010853

Description: Manages the receipt, establishment, maintenance, and transmission of retirement records. Includes service history data, retirement reduction costing, recording and reconciling retirement deductions transferred in and out.	**IRMP information Area:** Human Resources **Responsible Organization:** AAA-100 **System Owner:** AAA-100 **Software Owner:** AAC **impiementation Date:** 01/01/1979
Network:	**Annual Operating Costa ($000):** 93.3
Hardware: IBM 3084 Four-Phase Teninals Data General	**Software:** COBOL ANS DATA IV COBOL
System Users:	

EMPLOYMENT DISCRIMINATION TRACKING SYSTEM

System No.: 030901

Description: Tracks data related to the complaints of those employees and applicants who feel they have been discriminated against.	**IRMP information Area:** Human Resources **Responsible Organization:** ACR&I **System Owner:** ACR-1 **Software Owner:** AMS-350 **Impiementation Date:** 10/01/1983
Network:	**Annual Operating Costs ($000):** 88.0
Hardware: Wang DG MV/8000	**Software:** COBOL
System Users:	

PERSONNEL STATISTICAL SYSTEM

System No.: 120803

Description: Supports recurring statistical analysis of the Agency workforce and the positions authorized and filled. Also provides advance information on due-dates for taking various personnel actions.	**IRMP information Area:** Human Resources
	Responsible Organization: ACE
	System Owner: ACE
	Software Owner: ACE
	Implementation Date: 12/01/1985
Network: ADTN	**Annual Operating Costs ($000):** 20.0
Hardware: DG MV/8000 RJE	**Software:** COBOL
System Users:	

LOCAL PERSONNEL MANAGEMENT INFORMATION REPORTING

System No.: 140805

Description: Supports and generates reports for the Civil Rights Officer, the Personnel Management Division, and the Budget Division.	**IRMP information Area:** Human Resource:
	Responsible Organization: AEA-10
	System Owner: AEA-14
	Software Owner: AEA-43
	implementation Date: 06/15/1977
Network:	**Annual Operating Costs ($000):** 28.1
Hardware: DG MV/15000	**Software:** COBOL
System Users:	

PERSONNEL STATISTICAL SYSTEM

System No.: 120803

Description: Supports recurring statistical analysis of the Agency workforce and the Positions authorized and filled. Also provides advance information on due-dates for taking various Personnel actions.	**IRMP information Area:** Human Resources
	Responsible Organization: ACE
	System Owner: ACE
	Software Owner: ACE
	Implementation Date: 12/01/1985
Network: ADTN	**Annual Operating Costs ($000):** 20.0
Hardware: DG MV/8000 RJE	**Software:** COBOL
System Users:	

LOCAL PERSONNEL MANAGEMENT INFORMATION REPORTING

System No.: 140305

Description: Supports and generates reports for the Civil Rights Officer, the Personnel Management Division, and the Budget Division.	**IRM P information Area:** Human Resource:
	Responsible Organization: AEA-1 C
	System Owner: AEA-1 4
	Software Owner: AEA-43
	implementation Date: 06/I 5/I 977
Network:	**Annual Operating Costs ($000):** 28.1
Hardware: DG MV/15000	**Software:** COBOL
System Users:	

PERSONNEL EMPLOYMENT TRACKING SYSTEM (PETS)

System No.: 170801

Description: Provides status information concerning applicants for employment, from the original application, to register placement, security and medical checks, and enrollment at the FAA Academy.	**IRMP information Area:** Human Resources
	Responsible Organization: ANM-1 C
	System Owner: ANM-1 C
	Software Owner: ANM-1 C
	Implementation Date: 06/01/1985
Network: TYMNET	**Annual Operating Costa ($000):** 17.7
Hardware: DG MV/8000 II IBM-compatible PCs	**Software:** COBOL DG/DBMS dBASE III SmarTerm 400
System Users: ANM	

SUPERVISORY IDENTIFICATION AND DEVELOPMENT PROGRAM

System No.: 170802

Description: Provides an inventory of employees interested in becoming supervisors within the air traffic job family.	**IRMP information Area:** Human Resources
	Responsible Organization: ANM-500
	System Owner: ANM-10
	Software Owner: ANM-10
	implementation Date: 01/15/1986
Network: TYMNET	**Annual Operating Costs ($000):** 11.4
Hardware: DG MV/8000 II IBM-compatible PCs	**Software:** COBOL DG/DBMS
System Users: ANM	

MINORITY GROUP STATISTICS

System No.: 180891

Description: Supports and produces minority and female statistics by grade, series, organization, etc.	**IRMP information Area:** Human Resources
	Responsible Organization: ASO
	System Owner: ASO
	Software Owner: ASO
	implementation Date: 01/09/1984
Network:	**Annual Operating Costs ($000):** 6.4
Hardware: DG MV/8000	**Software:** COBOL INFOS-II
System Users:	

PERSONNEL STATISTICAL SYSTEM

System No.: 180802

Description: Supports a statistical analysis of the agency workforce and the positions that are authorized, filed, and vacant.	**IRMP information Area:** Human Resources
	Responsible Organization: ASO
	System Owner: ASO
	Software Owner: ASO
	Implementation Date: 11/05/1979
Network:	**Annual Operating Costs ($000):** 59.9
Hardware: DG MV/8000	**Software:** COBOL INFOS-II
System Users:	

MINORITY GROUP STATISTICS

System No.: 180801

Description:	IRMP information Area:
Supports and produces minority and female statistics by grade, series, organization, etc.	Human Resources
	Responsible Organization: AS0
	System Owner: AS0
	Software Owner: AS0
	implementation Date: 01/09/1984
Network:	Annual Operating Costs ($000): 6.4
Hardware: DG MV/8000	Software: COBOL, INFOS-II
System Users:	

PERSONNEL STATISTICAL SYSTEM

System No.: 180802

Description:	IRMP information Area:
Supports a statistical analysis of the agency workforce and the positions that are authorized, filed, and vacant.	Human Resources
	Responsible Organization: AS0
	System Owner: AS0
	Software Owner: AS0
	Implementation Date: 11/05/1979
Network:	Annual Operating Costs ($000): 59.9
Hardware: DG MV/8000	Software: COBOL, INFOS-II
System Users:	

DRUG/ALCOHOL REHABILITATION TRACKING

System No.: 200801

Description:	IRMP information Area:
Tracks drug, alcohol, and substance abuse cases.	Human Resources
	Responsible Organization: AWP-1C
	System Owner: AWP-1E
	Software Owner: AWP-43
	implementation Date: 11/01/1988
Network:	Annual Operating Costs ($000): 1.1
Hardware: DG MV/15000	Software: COBOL INFOS-II DG Present
System Users:	

AIRWAY FACILITIES TRAINING HISTORY REQUIREMENTS

System No.: 200803

Description:	IRMP information Area:
Provides Airway Facility Managers with the necessary information to manage and monitor the training requirements of the employees in their area of responsibility.	Human Resources
	Responslbie Organization: AWP-400
	System Owner: AWP-400
	Software Owner: AWP-43
	impiementation Date: 05/09/1988
Network: None	Annual Operating Costs ($900): 2.2
Hardware: DG MV/15000 IBM PC	Software: COBOL ANSI 74 dBASE iii
System Users:	

DRUG/ALCOHOL REHABILITATION TRACKING

System No.: 200801

Description:	IRMP information Area:
Tracks drug, alcohol, and substance abuse cases.	Human Resources
	Responsible Organization: AWP-1C
	System Owner: AWP-1E
	Software Owner: AWP-43
	implementation Date: 11/01/1988
Network:	Annual Operating Costs ($000): 1.1
Hardware: DG MV/15000	Software: COBOL INFOS-II DG Present
System Users:	

AIRWAY FACILITIES TRAINING HISTORY REQUIREMENTS

System No.: 200803

Description:	IRMP information Area:
Provides Airway Facility Managers with the necessary information to manage and monitor the training requirements of the employees in their area of responsibility.	Human Resources
	Responslbie Organization: AWP-400
	System Owner: AWP-400
	Software Owner: AWP-43
	impiementation Date: 05/09/1988
Network: None	Annual Operating Costs ($900): 2.2
Hardware: DG MV/15000 IBM PC	Software: COBOL ANSI 74 dBASE iii
System Users:	

PERSONNEL STATISTICAL SYSTEM

System No.: 200809

Description: Provides personnel reports on ail assigned employees.	**IRMP information Area:** Human Resources
	Responsible Organization: AWP-10
	System Owner: AWP-10
	Software Owner: AWP-43
	impiementation Date: 09/30/1983
Network: None	**Annual Operating Costs ($000):** 16.6
Hardware: DG MV/1 5000	**Software:** COBOL ANSI 74
System Users:	

AIR TRAFFIC APPLICANT TRACKING SYSTEM

System No.: 200810

Description: Provides information for tracking the status of air controller applicants' medical and personnel clearances.	**IRMP information Area:** Human Resources
	Responsible Organization: AWP-10
	System Owner: AWP-10
	Software Owner: AWP-43
	implementation Date: 12/20/1983
Network:	**Annual Operating Costs ($000):** 66.4
Hardware: DG MV/1 5000	**Software:** COBOL INFOS-II
System Users:	

PERSONNEL WORKLOAD TRACKING - PD LOG, OWCP, RETIREMENT

System No.: 200827

Description: Tracks the movement of various activities throughout the HRMD. Features action status as well as historical data.	**IRMP information Area:** Human Resources
	Responsible Organization: AWP-10
	System Owner: AWP-10
	Software Owner: AWP-43
	implementation Date: 06/30/1984
Network:	**Annual Operating Costs ($000):** 36.1
Hardware: DG MV/15000	**Software:** COBOL ANSI 74 Present Utility
System Users:	

NATIONAL DRIVER REGISTRATION

System No.: 200833

Description: Maintains national registration control of driver's licenses.	**IRMP information Area:** Human Resources
	Responsible Organization: AWP-52
	System Owner: AWP-52
	Software Owner: AWP-43
	implementation Date: 06/27/1985
Network:	**Annual Operating Costs ($000):** 10.4
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

PERSONNEL WORKLOAD TRACKING - PD LOG, OWCP, RETIREMENT

System No.: 200827

Description: Tracks the movement of various activities throughout the HRMD. Features action status as well as historical data.	**IRMP information Area:** Human Resources
	Responsible Organization: AWP-10
	System Owner: AWP-10
	Software Owner: AWP-43
	implementation Date: 06/30/1984
Network:	**Annual Operating Costs ($000):** 36.1
Hardware: DG MV/15000	**Software:** COBOL ANSI 74 Present Utility
System Users:	

NATIONAL DRIVER REGISTRATION

System No.: 200833

Description: Maintains national registration control of driver's licenses.	**IRMP information Area:** Human Resources
	Responsible Organization: AWP-52
	System Owner: AWP-52
	Software Owner: AWP-43
	implementation Date: 06/27/1985
Network:	**Annual Operating Costs ($000):** 10.4
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

FAA Goals Supported:

1 Enhance U.S. Aviation Safety.

2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.

3 Develop, refine and implement FAA programs and long-range plans.

4 Assure effective and effkient utilization of human, fiscal, material and airspace/airports resources.

6 Reduce regulatory and administrative burden.

FAA FY89 Objectives Supported:

CAPACITY:

23 Assist state and local governments in planning for new airport construction, and in expanding the capacity of existing airports.

GOVERNMENT/INDUSTRY PROMOTION OF AVIATION:

42 Expand the Minnesota "partnership" example of working closely with state governments to coordinate research programs, aviation career education and training programs, and airport and general aviation planning.

MANAGEMENT/COMMUNICATION:

61 Issue the operating procedures to further implement straight-line management.

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

NATIONAL SUPPLY SYSTEM

System No.: 010993

Description:

Maintains supply support for existing operational facilities and equipment. Maintains a database of inventory, including item identification, requirements, storage, and acquisitions.

IRMP information Area:	Materiel Resources
Responsible Organization:	ALG
System Owner:	AAC
Software Owner:	M C
Implementation Date:	06/01/1973
Network:	
Annual Operating Coats ($000):	819.6

Hardware:

IBM 3084
incoterm Terminals
incoterm Printers
Centronic Printers

Software:

COBOL
COBOL ANS
ALC

System Users: AAC, ACE, AEA, ALG, ASO, ASW, AWP

PERSONAL PROPERTY IN-USE MANAGEMENT SYSTEM II

System No.: 010995

Description:

Maintains an inventory of in-use personal property.

IRMP information Area:	Materiel Resources
Responsible Organization:	ALG
System Owner:	ALG
Software Owner:	AWP
Implementation Date:	03/31/1985
Network: ADTN (ANE,AGL,ANM)	
Annual Operating Costs ($000):	1297.0

Hardware:

DG MV/15000
Dasher 400 Terminals

Software:

COBOL

System Users: AAC, AAL, ACE, ACT, AEA, AGL, ALG, ANE, ANM, ASO, ASW, AWP

NATIONAL SUPPLY SYSTEM

System No.: 010993

Description: Maintains supply support for existing operational facilities and equipment. Maintains a database of inventory, including item identification, requirements, storage, and acquisitions.	**IRMP Information Area:** Materiel Resources
	Responsible Organization: ALG
	System Owner: AAC
	Software Owner: M C
	Implementation Date: 06/01/1973
Network:	**Annual Operating Costs ($000):** 819.6
Hardware: IBM 3084 Incoterm Terminals Incoterm Printers Centronic Printers	**Software:** COBOL COBOL ANS ALC

System Users: AAC, ACE, AEA, ALG, ASO, ASW, AWP

PERSONAL PROPERTY IN-USE MANAGEMENT SYSTEM II

System No.: 010995

Description: Maintains an inventory of in-use personal property.	**IRMP Information Area:** Materiel Resources
	Responsible Organization: ALG
	System Owner: ALG
	Software Owner: AWP
	Implementation Date: 03/31/1985
Network: ADTN (ANE,AGL,ANM)	**Annual Operating Costs ($000):** 1297.0
Hardware: DG MV/15000 Dasher 400 Terminals	**Software:** COBOL

System Users: AAC, AAL, ACE, ACT, AEA, AGL, ALG, ANE, ANM, ASO, ASW, AWP

INVENTORY STRATIFICATION

System No.: 100972

Descrlptlon:	IRMP Information Area:
Supplies to item managers in the FAA depot information about replenishing stock and forecasting the corresponding budget, which allows the optimum use of warehouse facilities.	Materiel Resources
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementatlon Date: 06/01/1971
Network:	Annual Operating Costs ($000): 7.0
Hardware: IBM 3084	Software: COBOL ANS ALC
System Users:	

MANAGEMENT UPDATE

System No.: 100974

Description:	IRM P information Area:
Inter-faces with the National Supply System to update management information records on a daily basis for inventory managed by the FAA depot.	Materiel Resources
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementatlon Date: 06/01/1972
Network:	Annual Operating Costs ($000): 1.4
Hardware: IBM 3084	Software: COBOL ALC
System Users:	

INVENTORY STRATIFICATION

System No.: 100972

Descrlptlon:	IRMP Informatlon Area:
Supplies to item managers in the FAA depot information about replenishing stock and forecasting the corresponding budget, which allows the optimum use of warehouse facilities.	Materiel Resources
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 06/01/1971
Network:	Annual Operating Costs ($000): 7.0
Hardware: IBM 3084	Software: COBOL ANS ALC
System Users:	

MANAGEMENT UPDATE

System No.: 100974

Description:	IRM P information Area:
Inter-faces with the National Supply System to update management information records on a daily basis for inventory managed by the FAA depot.	Materiel Resources
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 06/01/1972
Network:	Annual Operating Costs ($000): 1.4
Hardware: IBM 3084	Software: COBOL ALC
System Users:	

DEPOT ACTIVITY

System No.: 100978

Description: Consolidates and provides information about the transactions processed by the National Supply System on a monthly basis.	**IRMP information Area:** Materiel Resources
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 06/01/1972
Network:	**Annual Operating Costs ($000):** 1.3
Hardware: IBM 3084	**Software:** COBOL ANS ALC
System Users:	

DEFENSE INTEGRATED DATA SYSTEMS

System No.: 100991

Description: Processes transmissions of messages via autodin to and from the Defense Logistics Agency (DLA), Defense Logistics Service Center, Defense Electronics Supply Center, and GSA.	**IRM P Information Area:** Materiel Resources
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 01/01/1972
Network:	**Annual Operating Costs ($000):** 41.5
Hardware: IBM 3084 Epson PCs	**Software:** COBOL ANS ALC
System Users:	

DEPOT PRODUCTION CONTROL

System No.: 100992

Description:

Maintains and collects man-hour and materiel costs; compiles standards of performance; schedules jobs; controls and monitors the operations of the Aeronautical Center's supply depot shops.

IRMP Information Area: Materiel Resources

Responsible Organization: AAC

System Owner: AAC

Software Owner: AAC

Implementation Date: 07/01/1974

Network:

Annual Operating Costs ($000): 160.6

Hardware:

IBM 3084
IBM PCs
Epson PCs
IBM printers
Epson printers
Star printers

Software:

COBOL ANS
Assembler

System Users:

ITEM IDENTIFICATION

System No.: 100993

Description:

Catalogs all supply items within the FAA that have been assigned a national stock number by the Defense Logistics Center. The DLC issues these items to FAA facilities worldwide through the catalogs.

IRMP Information Area: Materiel Resources

Responsible Organization: AAC

System Owner: AAC

Software Owner: AAC

Implementation Date: 06/10/1972

Network:

Annual Operating Costs ($000): 60.4

Hardware:

IBM 3084
Epson PCs

Software:

COBOL ANS
ALG

System Users:

DEPOT PRODUCTION CONTROL

System No.: 100992

Description:	IRMP Information Area:
Maintains and collects man-hour and materiel costs; compiles standards of performance; schedules jobs; controls and monitors the operations of the Aeronautical Center's supply depot shops.	Materiel Resources
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 07/01/1974
Network:	Annual Operating Costs ($000): 160.6
Hardware: IBM 3084 IBM PCs Epson PCs IBM printers Epson printers Star printers	Software: COBOL ANS Assembler
System Users:	

ITEM IDENTIFICATION

System No.: 100993

Description:	IRMP Information Area:
Catalogs all supply items within the FAA that have been assigned a national stock number by the Defense Logistics Center. The DLC issues these items to FAA facilities worldwide through the catalogs.	Materiel Resources
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 06/10/1972
Network:	Annual Operating Costs ($000): 60.4
Hardware: IBM 3084 Epson PCs	Software: COBOL ANS ALG
System Users:	

BIDDERS LIST

System No.: 180901

Dascrlptlon: Maintains and produces listings of vendors for procurement purposes.	**IRMP Information Area:** Materiel Resources
	Responsible Organization: ASO
	System Owner: ASO
	Software Owner: ASO
	Implementation Date: 12/19/1983
Network:	**Annual Operating Costs ($000):** 7.1
Hardware: DG MV/8000	**Software:** COBOL INFOS
System Users:	

ENERGY

System No.: 180904

Description: Reports the local energy usage (for motor fuels, electricity and gas).	**IRMP Information Area:** Materiel Resource:
	Responsible Organization: ASC
	System Owner: ASC
	Software Owner: ASO
	Implementation Date: 01/31/1986
Network:	**Annual Operating Costs ($000):** 9.1
Hardware: DG MV/8000	**Software:** COBOL
System Users:	

BIDDERS LIST

System No.: 180901

Dascrlptlon: Maintains and produces listings of vendors for procurement purposes.	**IRMP Information Area:** Materiel Resources
	Responsible Organization: ASO
	System Owner: ASO
	Software Owner: ASO
	Implementation Date: 12/19/1983
Network:	**Annual Operating Costs ($000):** 7.1
Hardware: DG MV/8000	**Software:** COBOL INFOS
System Users:	

ENERGY

System No.: 180904

Description: Reports the local energy usage (for motor fuels, electricity and gas).	**IRMP Information Area:** Materiel Resource:
	Responsible Organization: ASC
	System Owner: ASC
	Software Owner: ASO
	Implementation Date: 01/31/1986
Network:	**Annual Operating Costs ($000):** 9.1
Hardware: DG MV/8000	**Software:** COBOL
System Users:	

MOTOR VEHICLE (LOCAL)

System No.: 200901

Description: Gathers data automatically to generate GSA Form 494 for electronic transmission to GSA.	**IRMP Information Area:** Materiel Resources
	Responsible Organization: AWP-52
	System Owner: AWP-52
	Software Owner: AWP-43
	Implementation Date: 01/29/1988
Network: None	**Annual Operating Costs ($000):** 116.9
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

SYSTEMS ACQUISITION MANAGEMENT (SAM)

System No.: 200910

Description: Supports an automated procurement system.	**IRMP Information Area:** Materiel Resources
	Responsible Organization: AWP-55
	System Owner: AWP-55
	Software Owner: AAA-67
	Implementation Date: 03/31/1985
Network: TYMNET	**Annual Operating Costs ($000):** 129.3
Hardware: DG MV/15000	**Software:** COBOL ANSI 74 Data General CEO SSI
System Users:	

WORKLOAD TRACKING PROCUREMENT

System No.: 209911

Description: Provides statistical information through all phases of procurement.	**IRMP Information Area:** Materiel Resources
	Responsible Organization: AWP-50
	System Owner: AWP-50
	Software Owner: AWP-43
	Implementation Date: 05/15/1984
Network:	**Annual Operating Costs ($000):** 26.3
Hardware: DG MV/15000	**Software:** COBOL ANSI 74 Present Utility
System Users:	

VEHICLE REGISTRATION

System No.: 200912

Description: Provides the means to manage all government vehicles under regional control.	**IRMP Information Area:** Materiel Resources
	Responsible Organization: AWP-50
	System Owner: AWP-50
	Software Owner: AWP-43
	Implementation Date: 09/27/1984
Network:	**Annual Operating Costs ($000):** 7.8
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

WORKLOAD TRACKING PROCUREMENT

System No.: 209911

Description: Provides statistical information through all phases of procurement.	**IRMP Information Area:** Materiel Resources
	Responsible Organization: AWP-50
	System Owner: AWP-50
	Software Owner: AWP-43
	Implementation Date: 05/15/1984
Network:	**Annual Operating Costs ($000):** 26.3
Hardware: DG MV/15000	**Software:** COBOL ANSI 74 Present Utility
System Users:	

VEHICLE REGISTRATION

System No.: 200912

Description: Provides the means to manage all government vehicles under regional control.	**IRMP Information Area:** Materiel Resources
	Responsible Organization: AWP-50
	System Owner: AWP-50
	Software Owner: AWP-43
	Implementation Date: 09/27/1984
Network:	**Annual Operating Costs ($000):** 7.8
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

16.8 NATIONAL AIRSPACE SYSTEM (NAS) FACILITIES INFORMATION AREA

ONGOING SYSTEMS SUMMARY

Presented below is a list of ongoing information resources systems associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. More detailed information may be found in the individual *Fact* Sheets which follow.

ONGOING SYSTEMS LIST

System Number	System Title	Annual Operating Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
041006	Maintenance Management System (MMS)		5	3,4	63
041016	Airway Facilities (AF) Sector Level Staffing Standards System	56.0	5	4	63
041065	Line Performance Reporting System (Line Outage)	11.5	5	1,3,4,6	63
041076	Applications Engineering Tandem		1	3,6	63
041092	National Airspace System Performance Reporting System		5	3,4,6	63
041093	Facility And Service Outage Reporting System	71.6	5	1,3,4,6	63
041094	Engine Generator	31.5	5	3,4,6	63
041095	Frequency Assignment System		5	3,6	63
041096	Facilities And Equipment Reporting System (FERS/PIF)	45.0	5	3,4,6	63
041097	Energy Management Reporting System (EMRS)	202.0	5	3,4	63
041099	Facilities Master File (FMF)	120.8	5	4	63
111001	Drawing Index	13.9	5	4,6	63
141017	Technical Evaluation Program	97.5	1,2,4,5	4	63
171004	Master Drawings Index (Engineering Drawings)	12.5	1,5	6	3263
171005	Special Maintenance Program (SMP)	4.7	1,2	1,6	21,31,32, 6.3
171006	Field Maintenance Program (FMP)	1.6	1,5	1,6	24,31,63
171007	Technical Inspection	11.0	1,4	6	31,63
181001	Periodic Maintenance	14.6	1	1,3,4,7	19,22,24, 63
181002	Drafting Index System	41.0	1	1,4	24,31,63
191001	Regional Facility Performance Reporting	15.0	1,4,5	3	14,21,32, 42,51,61, 63,71
201014	Facility Performance System	17.5	5	2,4,6	63
201034	Facilities Drawing (ANM-67)	8.9	5	2,4,6	63
201054	Special Maintenance Projects -Timeshare	10.0	1,5	2,4,6	63
241010	Advanced Automation Program Office (AAP) Program Management System (PMS)	350.0	1,2,5	384	32
241013	AND Management Information System	300.0	1,2,4,5	1,3,4	31,32,33
TOTAL		1421.7			

FAA **Missions Supported:**

1 Promotion of aviation safety.
2 Efficient utilization of airspace.
4 Fulfillment of national defense requirements.
5 Effkient and economical program administration.

FAA Goals Supported:

1 Enhance U.S. Aviation Safety.

2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.

3 Develop, refine and implement FAA programs and long-range plans.

4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.

6 Reduce regulatory and administrative burden.

7 Promote USA/FAA pm-eminence in the world aviation community.

FAA FY89 0 bjectives Supported:

AVIATION SAFETY:

14 Conduct at least four (4) safety and efficiency reviews and meet 80% of the corrective action milestones.

19 Decrease operational errors by 5% from the FY-88 base.

CAPACITY:

21 Expand the use of the National Airspace System Performance Analysis Capability (NASPAC) to plan for the needed NAS capacity enhancements.

22 Increase en route airspace capacity by establishing multiple routes between congested terminal areas. Improve the NAS system performance by reducing daily delays of 15 minutes or more by 5% from the FY-88 base.

24 Complete development of criteria, procedures, and standards for the full implementation of the MLS.

THE NAS PLAN:

3 1 Complete the Microwave Landing System acceptance testing and commission the first site.

32 Maintain the thrust of the National Airspace System Plan and achieve 90% of the published milestones, as reflected in the FY-89 schedule.

33 Publish a Research, Engineering, and Development (R,E,&D) Plan.

GOVERNMENT/INDUSTRY PROMOTION OF AVIATION:

42 Expand the Minnesota "partnership" example of working closely with state governments to coordinate research programs, aviation career education and training programs, and airport and general aviation planning.

FAA TRAINING:

51 Update FAA training to meet 1990's technologies by establishing a new office of training and higher ed, by conducting three prototype projects in conjunction with universities and industry, and by hosting two symposia on FAA job-related training.

FAA Goals Supported:

1 Enhance U.S. Aviation Safety.

2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.

3 Develop, refine and implement FAA programs and long-range plans.

4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.

6 Reduce regulatory and administrative burden.

7 Promote USA/FAA pm-eminence in the world aviation community.

FAA FY89 0 bjectives Supported:

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FAA TRAINING:

51 Update FAA training to meet 1990's technologies by establishing a new office of training and higher ed, by conducting three prototype projects in conjunction with universities and industry, and by hosting two symposia on FAA job-related training.

MAINTENANCE MANAGEMENT SYSTEM (MMS)

System No.: 041006

Description:	IRMP information Area:
Supports automated facility logging, performance reporting, PM scheduling, and record keeping functions for facility modifications and inspections at sectors, work centers, regional offices, and FAA support organizations.	National Airspace System (NAS) Facilities
	Responsible Organization: AES-420
	System Owner: AES-420
	Software Owner: AES-420
	Implementation Date: 06/01/1987
Network:	Annual Operating Costs ($000):
Hardware: Tandem Non-Stop II Tandem 6530 Terminal IBM-compatible PCs	Software: Tandem
System Users:	

AIRWAY FACILITIES (AF) SECTOR LEVEL STAFFING STANDARDS SYSTEM

System No.: 041016

Description:	IRMP Information Area:
Determines the field maintenance workload for Airway Facilities.	National Airspace System (NAS) Facilities
	Responsible Organization: ASM
	System Owner: ASM-230
	Software Owner: ASM-220
	Implementation Date: 06/10/1982
Network: Boeing	Annual Operating Costs ($000): 56.0
Hardware: Boeing Cyber 174 Variius Terminals Various Printers	Software: RIUS COBOL FORTRAN
System Users:	

MAINTENANCE MANAGEMENT SYSTEM (MMS)

System No.: 041006

Description:

Supports automated facility logging, performance reporting, PM scheduling, and record keeping functions for facility modifications and inspections at sectors, work centers, regional offices, and FAA support organizations.

IRMP Information Area: National Airspace System (NAS) Facilities

Responsible Organization:	AES-420
System Owner:	AES-420
Software Owner:	AES-420
Implementation Date:	06/01/1987

Network:

Annual Operating Costs ($000):

Hardware:

Tandem Non-Stop II
Tandem 6530 Terminal
IBM-compatible PCs

Software:

Tandem

System Users:

AIRWAY FACILITIES (AF) SECTOR LEVEL STAFFING STANDARDS SYSTEM

System No.: 041016

Description:

Determines the field maintenance workload for Airway Facilities.

IRMP Information Area: National Airspace System (NAS) Facilities

Responsible Organization:	ASM
System Owner:	ASM-230
Software Owner:	ASM-220
Implementation Date:	06/10/1982

Network: Boeing

Annual Operating Costs ($000): 56.0

Hardware:

Boeing Cyber 174
Variius Terminals
Various Printers

Software:

RUS
COBOL
FORTRAN

System Users:

NATIONAL AIRSPACE SYSTEM PERFORMANCE REPORTING SYSTEM

System No.: 041092

Description: Reports and monitors the performance of the National Airspace System (NAS) facilities.	**IRMP Information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: ASM-110
	System Owner: ASM-110
	Software Owner: ASM-110
	Implementation Date: 06/01/1983
Network: NAPRS	**Annual Operating Costs ($000):**
Hardware: IBM PC	**Software:** Basic DBMS
System Users:	

FACILITY AND SERVICE OUTAGE REPORTING SYSTEM

System No.: 041093

Description: Reports facility and service outages.	**IRMP Information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: ASM-110
	System Owner: ASM-110
	Software Owner: ASM-220
	Implementation Date: 06/01/1983
Network: Boeing	**Annual Operating Costs ($000):** 71.5
Hardware: CDC Cyber Various Terminals Various Printers	**Software:** FORTRAN COBOL RUS
System Users:	

NATIONAL AIRSPACE SYSTEM PERFORMANCE REPORTING SYSTEM

System No.: 041092

Description:	IRMP Information Area:
Reports and monitors the performance of the National Airspace System (NAS) facilities.	National Airspace System (NAS) Facilities
	Responsible Organization: ASM-110
	System Owner: ASM-110
	Software Owner: ASM-110
	Implementation Date: 06/10/1983
Network: NAPRS	Annual Operating Costs ($000):
Hardware: IBM PC	Software: Basic DBMS
System Users:	

FACILITY AND SERVICE OUTAGE REPORTING SYSTEM

System No.: 041093

Description:	IRMP Information Area:
Reports facility and service outages.	National Airspace System (NAS) Facilities
	Responsible Organization: ASM-110
	System Owner: ASM-110
	Software Owner: ASM-220
	Implementation Date: 06/10/1983
Network: Boeing	Annual Operating Costs ($000): 71.5
Hardware: CDC Cyber Various Terminals Various Printers	Software: FORTRAN COBOL RUS
System Users:	

FACILITIES AND EQUIPMENT REPORTING SYSTEM (FERS/PIF)

System No.: 041096

Description: Reports F&E (Project) status as a pre-commissioned facility file.	**IRMP Information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: APSIASM
	System Owner: APS-11 0/ASM-230
	Software Owner: APSIASM
	Implementation Date: 06/11 0/1 982
Network: Boeing	**Annual Operating Costs ($000):** 46.0
Hardware: Boeing Cyber 174	**Software:** RUS COBOL FORTRAN

System Users:

ENERGY MANAGEMENT REPORTING SYSTEM (EMRS)

System No.: 041097

Description: Reports energy conservation cost information by facility. A prototype system at ASW. Becomes part of Maintenance Management System (MMS) on 02/28/86.	**IRMP Information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: ASM-230
	System Owner: ASM-230
	Software Owner: ASM-230
	Implementation Date: 09/01/1984
Network:	**Annual Operating Costs ($000):** 202.0
Hardware: DG MV/8000	**Software:** INFOS COBOL

System Users:

FACILITIES MASTER FILE (FMF)

System No.: 041099

Description: identifies ail NAS facilities (present & future).	**IRMP information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: ASM-230
	System Owner: ASM-230
	Software Owner: ASM-220
	implementation Date: 06/l O/l 982
Network: Boeing	Annual Operating Costs ($000): 120.8
Hardware: Boeing Cyber 174	**Software:** RUS COBOL FORTRAN
System Users:	

DRAWING INDEX

System No.: 111001

Description: Tracks plant drawings and electronic drawings. Gives current status, telling which station has which drawings. Provides the number of drawings in the system.	**IRMP information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: ANA-453
	System Owner: ANA-453
	Software Owner: ANA-467
	Implementation Date: 07/01/1981
Network:	Annual Operating Costs ($000): 13.9
Hardware: DG MV/15000 DG Dasher D460 Term	**Software:** DG AOSNS COBOL
System Users:	

FACILITIES MASTER FILE (FMF)

System No.: 041099

Description: identifies ail NAS facilities (present & future).	**IRMP information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: ASM-230
	System Owner: ASM-230
	Software Owner: ASM-220
	implementation Date: 06/l O/l 982
Network: Boeing	Annual Operating Costs ($000): 120.8
Hardware: Boeing Cyber 174	**Software:** RUS COBOL FORTRAN
System Users:	

DRAWING INDEX

System No.: 111001

Description: Tracks plant drawings and electronic drawings. Gives current status, telling which station has which drawings. Provides the number of drawings in the system.	**IRMP information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: AXA-453
	System Owner: AXA-453
	Software Owner: AXA-467
	Implementation Date: 07/01/1987
Network:	Annual Operating Costs ($000): 13.9
Hardware: DG MV/15000 DG Dasher D460 Term	**Software:** DG AOSNS COBOL
System Users:	

SPECIAL MAINTENANCE PROGRAM (SMP)

System No.: 171005

Description: Tracks SMP projects for completion, priority, and location.	**IRMP information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: ANM
	System Owner: ANM-400
	Software Owner: ANM-400
	Implementation Date: 01/01/1971
Network: TYMNET	Annual Operating Costs ($000): 4.7
Hardware: IBM-compatible PCs	**Software:** dBASE ii
System Users: ANM	

FIELD MAINTENANCE PROGRAM (FMP)

System No.: 171006

Description: Tracks FMP projects for completion, priority, and location.	**IRMP Information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: ANM
	System Owner: ANM-400
	Software Owner: ANM
	impiementatlon Date: 01/01/1971
Network: BCS	Annual Operating Costs ($000): 1.6
Hardware: DG MV/8000 ii	**Software:** RUS RJE
System Users: ANM	

TECHNICAL INSPECTION

System No.: 171007

Description: Tracks and schedules statistical information on inspection requirements of NAS facilities.	**IRMP information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: ANM
	System Owner: ANM-400
	Software Owner: ANM-400
	implementation Date: 01/01/1971
Network: BCS	Annual Operating Costs ($000): 11.0
Hardware: DG MV8000 II	Software: RUS, RJE
System Users: ANM	

PERIODIC MAINTENANCE

System No.: 181001

Description: Manages all Airway Facilities (AF) facilities and updates the PM cards.	IRMP information Area: National Airspace System (NAS) Facilities
	Responsible Organization: ASC
	System Owner: ASC
	Software Owner: ASC
	implementation Date: 06/01/1987
Network: BCS	Annual Operating Costs ($000): 14.6
Hardware: DG MV/8000	Software: COBOL, INFOS
System Users:	

TECHNICAL INSPECTION

System No.: 171007

Description: Tracks and schedules statistical information on inspection requirements of NAS facilities.	**IRMP information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: ANM
	System Owner: ANM-400
	Software Owner: ANM-400
	implementation Date: 01/01/1971
Network: BCS	Annual Operating Costs ($000): 11.0
Hardware: DG MV8000 II	Software: RUS RJE

System Users: ANM

PERIODIC MAINTENANCE

System No.: 181001

Description: Manages all Airway Facilities (AF) facilities and updates the PM cards.	IRMP information Area: National Airspace System (NAS) Facilities
	Responsible Organization: ASC
	System Owner: ASC
	Software Owner: ASC
	implementation Date: 06/01/1975
Network: BCS	Annual Operating Costs ($000): 14.6
Hardware: DG MV/8000	Software: COBOL INFOS

System Users:

FACILITY PERFORMANCE SYSTEM

System No.: 201014

Description: Provides reports based on facility outages showing sector and facility performance.	**IRMP information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: AWP400
	System Owner: AWP-400
	Software Owner: AWP-43
	implementation Date: 09/15/1984
Network:	Annual Operating Costs ($000): 17.5
Hardware: DG MV/15000	Software: COBOL ANSI 74
System Users:	

FACILITIES DRAWING (ANM-67)

System No.: 201034

Description: Maintains an index of blueprint drawings.	IRMP information Area: National Airspace System (NAS) Facilities
	Responsible Organization: AWP-43
	System Owner: ANM-60
	Software Owner: AWP-43
	Implementation Date: 06/30/1985
Network: ADTN	Annual Operating Costs ($000): -6.9
Hardware: DG MV/15000	Software: COBOL ANSI 74
System Users:	

FACILITY PERFORMANCE SYSTEM

System No.: 201014

Description: Provides reports based on facility outages showing sector and facility performance.	**IRMP information Area:** National Airspace System (NAS) Facilities
	Responsible Organization: AWP400
	System Owner: AWP-400
	Software Owner: AWP-43
	implementation Date: 09/15/1984
Network:	Annual Operating Costs ($000): 17.5
Hardware: DG MV/15000	Software: COBOL ANSI 74

System Users:

FACILITIES DRAWING (ANM-67)

System No.: 201034

Description: Maintains an index of blueprint drawings.	IRMP information Area: National Airspace System (NAS) Facilities
	Responsible Organization: AWP-43
	System Owner: ANM-60
	Software Owner: AWP-43
	Implementation Date: 06/30/1985
Network: ADTN	Annual Operating Costs ($000): -6.9
Hardware: DG MV/15000	Software: COBOL ANSI 74

System Users:

AND MANAGEMENT INFORMATION SYSTEM

System No.: 241013

Description:

Monitors and reports on the development and implementation of all research and development activity and all major products of the NAS plan for the AND and AAF Associate Administrators.

IRMP information Area: National Airspace System (NAS) Facilities

Responsible Organization: AND-l 0

System Owner: AND-1 0

Software Owner: AND-l 0

implementation Date: 08/22/1 983

Network:

Annual Operating Costs ($000): 300.0

Hardware:

Wang VS1 00

Software:

COBOL

System Users:

16.9 OFFICE AUTOMATION AND MANAGEMENT SUPPORT INFORMATION AREA

ONGOING SYSTEMS SUMMARY

Presented below is a list of ongoing information resources systems associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. More detailed information may be found in the individual *Fact Sheets* which follow.

ONGOING SYSTEMS LIST

System Number	System Title	Annual Operating Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
011117	FAA Directory	31.4	3,4,5	2,4	63
011118	Directives Management Information System	52.0	1,2,5	4	63
011121	The Administrator's Correspondence Control And Information System (ACCIS)	50.0	5	2,3,6	63
011125	Project Tracking System	46.9	5	6	63
011126	Problem Reporting System	26.6	5	4	63
011127	Mean Time to Failure	19.5	5	4	63
011128	Tape Library System	15.0	5	4,6	63
011129	ADP Equipment Inventory System	167.0	5	6	63
011131	AMS Office Automation and Systems Support	5195.0	5	6	83
041112	Computer-Aided Engineering Graphics	1087.0	5	4,6	63
051102	GC Information Resource Management System (IRMS)	868.0	3,5	1,2,4	63
061106	Public Affairs (APA) information System	170.0	1,3,5	1,3,4,6,7	63
111105	Office Automation, Alaskan Region	15.0	5	4	63
121107	Automated Scheduling And Control	20.0	5	4,6	63
121110	Supply Inventory System	2.7	5	4,6	63
131107	National Administration and Management Systems	712.0	1,5	3,4	83
131108	Technical Center Local Management and Administrative Systems	829.0	1,5	3,4,6	63
181101	Word Processing Statistics	31.1	5	4	61-63
181103	Office Automation	299.4	5	2,4	63,73
181104	Job Scheduling System	4.5	5	4	63
181106	Forms Catalog	2.9	5	4	63
181109	Tape Library System	16.3	5	4	63
201132	Region Forms Automation	6.9	5	2,4,6	63
221118	Office Automation-AHR		1,5	4,6	63
TOTAL		96592			

FAA Missions Supported:

1 Promotion of aviation safety.
2 Efficient utilization of airspace.
3 Promotion of air commerce and aviation at home and abroad.
4 Fulfillment of national defense requirements.
5 Efficient and economical program administration.

16.9 OFFICE AUTOMATION AND MANAGEMENT SUPPORT INFORMATION AREA

ONGOING SYSTEMS SUMMARY

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ONGOING SYSTEMS LIST

System Number	System Title	Annual Operating Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
011117	FAA Directory	31.4	3,4,5	2,4	63
011116	Directives Management Information System	62.0	1,2,5	4	63
011121	The Administrator's Correspondence Control And Information System (ACCIS)	50.0	5	2,3,6	63
011125	Project Tracking System	46.9	5	6	63
011126	Problem Reporting System	26.6	5	4	63
011127	Mean Time to Failure	19.5	5	4	63
011129	Tape Library System	15.0	5	4,6	63
011129	ADP Equipment Inventory System	167.0	5	6	63
011131	AMS Office Automation and Systems Support	5195.0	5	6	63
041112	Computer-Aided Engineering Graphics	1087.0	5	4,6	63
051102	GC Information Resource Management System (IRMS)	868.0	3,5	1,2,4	63
061106	Public Affairs (APA) Information System	170.0	1,3,5	1,3,4,6,7	63
111105	Office Automation, Alaskan Region	15.0	5	4	63
121107	Automated Scheduling And Control	20.0	5	4,6	63
121110	Supply Inventory System	2.7	5	4,6	63
131107	National Administration and Management Systems	712.0	1,5	3,4	63
131106	Technical Center Local Management and Administrative Systems	829.0	1,5	3,4,6	63
181101	Word Processing Statistics	31.1	5	4	61-63
181103	Office Automation	299.4	5	2,4	63,73
181104	Job Scheduling System	4.5	5	4	63
181106	Forms Catalog	2.9	5	4	63
181199	Tape Library System	16.3	5	4	63
201132	Region Forms Automation	6.9	5	2,4,6	63
221118	Office Automation-AHR		1,5	4,6	63
TOTAL		96592			

FAA Missions Supported:

1 Promotion of aviation safety.
2 Efficient utilization of airspace.
3 Promotion of air commerce and aviation at home and abroad.
4 Fulfillment of national defense requirements.
5 Efficient and economical program administration.

FAA DIRECTORY

System No.: 011117

Description: Maintains a database of names, addresses, and phone numbers of all agency managers. Produces a tape semi-annually, used to print the FAA directory.	**IRMP Information Area:** Office Automation and Management Support
	Responsible Organization: AMS-420
	System Owner: AMS-420
	Software Owner: AMS-420
	Implementation Date: 10/01/1977
Network: c s c	**Annual Operating Costs ($000):** 31.4
Hardware: Sperry Univ. 1100-80	**Software:** General Processing System COBOL Aladin

System Users: AAC, AAL, ACE, ACT, AEA, AGL, AMS, ANE, ANM, ASO, ASW, AWP

DIRECTIVES MANAGEMENT INFORMATION SYSTEM

System No.: 011118

Description: Maintains a file of records detailing the status of all agency directives. Updated semi-annually to produce a checklist report for publication and a statistical report for measuring the activity of the directives.	**IRMP Information Area:** Office Automation and Management Support
	Responsible Organization: AMS-420
	System Owner: AMS-420
	Software Owner: AMS-420
	Implementation Date: 02/01/1980
Network:	**Annual Operating Costs ($000):** 52.0
Hardware: DG MV/15000	**Software:** INFOCEN

System Users: AAC, AAL, ACE, ACT, AEA, AGL, AMS, ANE, ANM, ASO, ASW, AWP

THE ADMINISTRATOR'S CORRESPONDENCE CONTROL AND INFORMATION SYSTEM (ACCIS)

System No.: 011121

Description: Extends control to all FAA organizations. Monitors all incoming and outgoing documents, including White House referral and Congressional correspondence. Has a query capability and generates reports on demand.	**IRMP** Information Area: Office Automation and Management Support
	Responsible Organization: AMS-350
	System Owner: AOA
	Software Owner: AMS
	Implementation Date: 07/12/1982
Network:	Annual Operating Costs ($000): 50.0
Hardware: Wang VS1 OOA	Software: COBOL
System Users: AMS	

PROJECT TRACKING SYSTEM

System No.: 011125

Description: Tracks and controls management projects.	**IRM** P Information Area: Office Automation and Management Suppor
	Responsible Organization: AMS-350
	System Owner: AMS-1
	Software Owner: AMS-350
	Implementation Date: 12/31/1986
Network:	Annual Operating Costs ($000): 46.9
Hardware: Nang VS Nang PCs	Software: Custom
System Users: AMS	

THE ADMINISTRATOR'S CORRESPONDENCE CONTROL AND INFORMATION SYSTEM (ACCIS)

System No.: 011121

Dascrlptlon: Extends control to all FAA organizations. Monitors all incoming and outgoing documents, including White House referral and Congressional correspondence. Has a query capability and generates reports on demand.	**IRMP Information Area:** Office Automation and Management Support
	Responslble Organlzatlon: AMS-350
	System Owner: AOA
	Software Owner: AMS
	Implementation Date: 07/12/1982
Network:	**Annual Operatlng Costs ($000):** 50.0
Hardware: Wang VS1 OOA	**Software:** COBOL

System Users: AMS

PROJECT TRACKING SYSTEM

System No.: 011125

Descrlptlon: Tracks and controls management projects.	**IRM P Information Area:** Office Automation and Management Suppor
	Responsible Organization: AMS-35C
	System Owner: AMS-1
	Software Owner: AMS-350
	Implementation Date: 12/31/1986
Network:	**Annual Operatlng Costs ($000):** 46.9
Hardware: Nang VS Nang PCs	**Software:** Custom

System Users: AMS

TAPE LIBRARY SYSTEM

System No.: 011128

Daaorlptlon: Tracks all the tapes In the AMS-350 data process-ing center. Deletes, modifies, creates, and tracks all tapes by subject and location.	**IRMP Information Area:** Office Automation and Management Suppor
	Responslble Organlzatlon: AMS-35(
	System Owner: AMS-35C
	Software Owner: AMS-35(
	Implementation Date: 12/01/198
Network:	Annual Operating Costa ($000): 15.t
Hardware: DG MV/15000	Software: COBOL
System Users: AMS	

ADP EQUIPMENT INVENTORY SYSTEM

System No.: 011129

Daaorlptlon: Tracks the location of and maintenance on ADP equipment.	**IRMP Information Area:** Office Automation and Management Suppor
	Responslble Organlzatlon: AMS-35(
	System Owner: AMS-35(
	Software Owner: AMS-35(
	implementation Date: 06/30/198
Network:	Annual Operatlng Costs ($000): 167.(
Hardware: DG B (MV/15000)	Software: INFOS-II
System Users: A M S	

TAPE LIBRARY SYSTEM

System No.: 011128

Description: Tracks all the tapes in the AMS-350 data processing center. Deletes, modifies, creates, and tracks all tapes by subject and location.	**IRMP Information Area:** Office Automation and Management Suppor
	Responsible Organization: AMS-35(
	System Owner: AMS-35C
	Software Owner: AMS-3%
	Implementation Date: 12/01/198
Network:	Annual Operating Costs ($000): 15.t
Hardware: DG MV/15000	Software: COBOL
System Users: AMS	

ADP EQUIPMENT INVENTORY SYSTEM

System No.: 011129

Description: Tracks the location of and maintenance on ADP equipment.	**IRMP Information Area:** Office Automation and Management Suppor
	Responsible Organization: AMS-35(
	System Owner: AMS-35(
	Software Owner: AMS-35(
	Implementation Date: 06/30/198
Network:	Annual Operating Costs ($000): 167.(
Hardware: DG B (MV/15000)	Software: INFOS-II
System Users: AMS	

GC INFORMATION RESOURCE MANAGEMENT SYSTEM (IRMS)

System No.: 051102

Description: Supports off ice automation, legal research, and case management and tracking.	IRMP Information Area: Office Automation and Management Support
	Responsible Organization: AGC
	System Owner: AGC
	Software Owner: AGC
	Implementation Date: 11/01/1984
Network: WANGNET	Annual Operating Costs ($000): 868.0
Hardware: Wang VS300 Terminals (90) Wang PC (15)	Software: COBOL ASSEMBLER LEXIS JURIS
System Users:	

PUBLIC AFFAIRS (APA) INFORMATION SYSTEM

System No.: 061106

Description: Supports off ice automation and an aviation education database.	IRMP Information Area: Office Automation and Management Support
	Responsible Organization: APA
	System Owner: APA
	Software Owner: APA
	Implementation Date: 09/30/1984
Network:	Annual Operating Costs ($000): 170.0
Hardware: Wang	Software: Wang Office COBOL
System Users:	

OFFICE AUTOMATION, ALASKAN REGION

System No.: 111105

Description:

Comprises all of the off ice automation systems for the Alaskan Region.

IRMP Information Area: Office Automation and Management Support

Responsible Organization: AAL

System Owner: AAL60

Software Owner: AAL60

Implementation Date: 01/01/1988

Network:

Annual Operating Costs ($000): 15.0

Hardware:

Data Gen Dasher One
Data Gen D-460/21 1
DG MV/I 5000

Software:

Data General CEO
SSI WordPerfect
DG CEO Connection

System Users:

AUTOMATED SCHEDULING AND CONTROL

System No.: 121107

Description:

Maintains scheduling information on computer operations products. Provides batch entries, edits the data, and outputs the schedule and reports. Provides management control of tape files with an active inventory. Gives history of use.

IRMP Information Area: Office Automation and Management Support

Responsible Organization: ACE

System Owner: ACE

Software Owner: AWP

Implementation Date: 09/01/1982

Network: N/A

Annual Operating Costs ($000): 20.0

Hardware:

DG MV/8000

Software:

COBOL

System Users:

OFFICE AUTOMATION, ALASKAN REGION

System No.: 111105

Description: Comprises all of the off ice automation systems for the Alaskan Region.	**IRMP Information Area:** Office Automation and Management Support
	Responsible Organization: AAL
	System Owner: AAL60
	Software Owner: AAL60
	Implementation Date: 01/01/1988
Network:	**Annual Operating Costs ($000):** 15.0
Hardware: Data Gen Dasher One Data Gen D-460/21 1 DG MV/I 5000	**Software:** Data General CEO SSI WordPerfect DG CEO Connection
System Users:	

AUTOMATED SCHEDULING AND CONTROL

System No.: 121107

Description: Maintains scheduling information on computer operations products. Provides batch entries, edits the data, and outputs the schedule and reports. Provides management control of tape files with an active inventory. Gives history of use.	**IRMP Information Area:** Office Automation and Management Support
	Responsible Organization: ACE
	System Owner: ACE
	Software Owner: AWP
	Implementation Date: 09/01/1982
Network: N/A	**Annual Operating Costs ($000):** 20.0
Hardware: DG MV/8000	**Software:** COBOL
System Users:	

TECHNICAL CENTER LOCAL MANAGEMENT AND ADMINISTRATIVE SYSTEMS

System No.: 131108

Description:

Supports resource planning and tracking, milestone and procurement tracking. Includes all technical systems, planning and actual data, materiel management, procurements, inventory management, and interfaces with AXD, AXA, and external systems.

IRMP Information Area: Office Automation and Management Support

Responsible Organization:	ACM-600
System Owner:	ACM-600
Software Owner:	ACM-630
Implementation Date:	10/01/1983
Network:	
Annual Operating Costs ($000):	820.0

Hardware:

DG MV/i 5000

Software:

DG/DBMS
INFOS
COBOL
PRESENT
TRENDVIEW
Data General CEO

System Users:

WORD PROCESSING STATISTICS

System No.: 131101

Description:

Reports annual savings, employee performance, and quantity of work per division, while supporting the staff.

IRMP Information Area: Office Automation and Management Support

Responsible Organization:	AS0
System Owner:	AS0
Software Owner:	AS0
Implementation Date:	09/30/1976
Network:	
Annual Operating Costs ($000):	31.1

Hardware:

DG MV/8000

Software:

COBOL
INFOS-II

System Users:

TECHNICAL CENTER LOCAL MANAGEMENT AND ADMINISTRATIVE SYSTEMS

System No.: 131108

Description:

Supports resource planning and tracking, milestone and procurement tracking. Includes all technical systems, planning and actual data, materiel management, procurements, inventory management, and interfaces with AXD, AXA, and external systems.

IRMP Information Area:

Office Automation and Management Support

Responalble Organization:	ACM-600
System Owner:	ACM-600
Software Owner:	ACM-630
Implementation Date:	10/01/1983
Annual Operating Coats ($000):	820.0

Network:

Hardware:

DG MV/i 5000

Software:

DG/DBMS
INFOS
COBOL
PRESENT
TRENDVIEW
Data General CEO

System Users:

WORD PROCESSING STATISTICS

System No.: 131101

Description:

Reports annual savings, employee performance, and quantity of work per division, while supporting the staff.

IRMP Information Area:

Office Automation and Management Support

Responsible Organization:	AS0
System Owner:	AS0
Software Owner:	AS0
Implementation Date:	09/30/1976
Annual Operating Costa ($000):	31.1

Network:

Hardware:

DG MV/8000

Software:

COBOL
INFOS-II

System Users:

FORMS CATALOG

System No.: 181106

Description: Updates and reports the automated regional forms catalog.	IRMP Information Area: Office Automation and Management Support
	Responsible Organization: AS0
	System Owner: AS0
	Software Owner: AS0
	Implementation Date: 04/01/1984
Network:	Annual Operating Costs ($000): 2.9
Hardware: DG MV/8000	Software: COBOL
System Users:	

TAPE LIBRARY SYSTEM

System No.: 181199

Description: Manages the local tape library.	IRMP Information Area: Office Automation and Management Support
	Responsible Organization: AS0
	System Owner: AS0
	Software Owner: AS0
	Implementation Date: 07/01/1973
Network:	Annual Operating Costs ($000): 16.3
Hardware: DG MV/8000	Software: COBOL
System Users:	

REGION FORMS AUTOMATION

System No.: 201132

Description: Maintains control of regional forms and replenishment of forms in the supply office.	IRMP Information Area: Office Automation and Management Support
	Responsible Organization: AWP-43
	System Owner: AWP-43
	Software Owner: AWP-43
	Implementation Date: 03/31/1985
Network: None	Annual Operating Costs ($000): 6.9
Hardware: DG MV/15000	Software: COBOL ANSI 74
System Users:	

OFFICE AUTOMATION - AHR

System No.: 221118

Description: Provides document and calendar control, electronic mail, spreadsheet, graphics, and other automation capabilities to improve productivity and information access within the AHR organization.	IRMP Information Area: Office Automation and Management Support
	Responsible Organization: AHR-1 C
	System Owner: AHR-1 C
	Software Owner: AHR-10
	Implementation Date: 06/30/1989
Network: Ethernet	Annual Operating Costs ($000):
Hardware: IBM PCs	Software: Lotus 1-2-3 dBASE III+ WordPerfect Paradox DBMS
System Users:	

REGION FORMS AUTOMATION

System No.: 201132

Description: Maintains control of regional forms and replenishment of forms in the supply office.	IRMP Information Area: Office Automation and Management Support
	Responsible Organization: AWP-43
	System Owner: AWP-43
	Software Owner: AWP-43
	Implementation Date: 0313111985
Network: None	Annual Operating Costs ($000): 6.9
Hardware: DG MV/15000	Software: COBOL ANSI 74
System Users:	

OFFICE AUTOMATION - AHR

System No.: 221118

Description: Provides document and calendar control, electronic mail, spreadsheet, graphics, and other automation capabilities to improve productivity and information access within the AHR organization.	IRMP Information Area: Office Automation and Management Support
	Responsible Organization: AHR-1 C
	System Owner: AHR-1 C
	Software Owner: AHR-10
	Implementation Date: 06/30/1989
Network: Ethernet	Annual Operating Costs ($000):
Hardware: IBM PCs	Software: Lotus 1-2-3 dBASE III+ WordPerfect Paradox DBMS
System Users:	

FAA **FY89** Objectives Supported:

AVIATION SAFETY:

14 Conduct at least four (4) safety and efficiency reviews and meet 80% of the corrective action milestones.

16 Place renewed emphasis on general aviation accident prevention. Reduce the number of accidents by 5% from the **FY88** base.

18 Establish a comprehensive timetable for the implementation of the recommendations of the recent International Conference on Aging Airplanes.

19 Decrease operational errors by 5% from the **FY88** base.

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

FAA **FY89** Objectives Supported:

AVIATION SAFETY:

14 Conduct at least four (4) safety and efficiency reviews and meet 80% of the corrective action milestones.

16 Place renewed emphasis on general aviation accident prevention. Reduce the number of accidents by 5% from the **FY88** base.

18 Establish a comprehensive timetable for the implementation of the recommendations of the recent International Conference on Aging Airplanes.

19 Decrease operational errors by 5% from the **FY88** base.

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

SCHEDULING SYSTEM

System No.: 101265

Description: Provides a media for scheduling all production processing to be done by the AAC-300 Data Service Division based on a seven-day per week, 24-hour per day schedule.	**IRMP Information Area:** Information Processing and Support
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 08/01/1981
Network:	Annual Operating Costs ($000): 27.5
Hardware: IBM 3084 3270 Protocol Terminal	Software: IBM ASSEMBLER COBOL EASYTRIEVE CAT
System Users:	

FS AUTOMATIC TRAINING/PERSONNEL TRACKING

System No.: 201201

Description: Provides division managers of flight standards with the information they need to manage and monitor training and personnel requirements of their employees.	**IRMP Information Area:** Information Processing and Support
	Responsible Organization: AWP-200
	System Owner: AWP-200
	Software Owner: AWP-43
	implementation Date: 06/01/1986
Network:	Annual Operating Costs ($000): 2.6
Hardware: DG MV/15000 IBM PC	Software: COBOL dBASE III
System Users:	

REMOTE JOB ENTRY (RJE) RETRIEVALS

System No.: 201215

Description: Uses high-speed transmission stations to retrieve remote job entries. Switched to a 4800 baud-rate dial-up.	**IRMP Information Area:** Information Processing and Support
	Responsible Organization: AWP-43
	System Owner: AWP-43
	Software Owner: AWP-43
	Implementation Date: 05/31/1985
Network:	Annual Operating Costs ($000): 1.6
Hardware: DG MV/15000	Software: RJE 80 HAMLET COBOL ANSI 74
System Users:	

REMOTE JOB ENTRY (RJE)

System No.: 201259

Description: Allows for remote job entries.	IRMP information Area: Information Processing and Support
	Responsible Organization: AWP-43
	System Owner: AWP-43
	Software Owner: AWP-43
	Implementation Date: 05/31/1985
Network:	Annual Operating Costs ($000): 1.6
Hardware: RJE Communications Facilities	Software: IBM 3780
System Users:	

REMOTE JOB ENTRY (RJE) RETRIEVALS

System No.: 201215

Description: Uses high-speed transmission stations to retrieve remote job entries. Switched to a 4800 baud-rate dial-up.	**IRMP Information Area:** Information Processing and Support
	Responsible Organization: AWP-43
	System Owner: AWP-43
	Software Owner: AWP-43
	Implementation Date: 05/31/1985
Network:	Annual Operating Costs ($000): 1.6
Hardware: DG MV/15000	Software: RJE 80 HAMLET COBOL ANSI 74
System Users:	

REMOTE JOB ENTRY (RJE)

System No.: 201259

Description: Allows for remote job entries.	IRMP information Area: Information Processing and Support
	Responsible Organization: AWP-43
	System Owner: AWP-43
	Software Owner: AWP-43
	Implementation Date: 05/31/1985
Network:	Annual Operating Costs ($000): 1.6
Hardware: RJE Communications Facilities	Software: IBM 3780
System Users:	

16.11 HUMAN INTERFACE AND TRAINING INFORMATION AREA

ONGOING SYSTEMS SUMMARY

Presented below is a list of ongoing information resources systems associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. More detailed information may be found in the individual *Fact Sheets* which follow.

ONGOING SYSTEMS LIST

System Number	System Title	Annual Operating Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
101303	Computer-Based instruction (CBI) Training	6632.7	1,2,5		63
101306	Academy Scoring	366.0	5	1,4,7	63
101349	FAA Academy Correspondence Course Training	37.9	5	2,4	63
101370	U.S. Postal Service Correspondence Course Training System	29.8		1,4	53
101371	FAA Radar Training System	2403.0	1,5	1,4,7	63
101372	Coast Guard Service-Wide Examination System	51.6		1	63
101373	Coast Guard Non-Resident Training	189.9		1,4	63
221306	Microcomputer Based Support For Managerial Decision Making	147.6	5	4,6	63
TOTAL		lcO77.5			

FM Missions Supported:

1 Promotion of aviation safety.

2 Efficient utilization of airspace.

5 Efficient and economical program administration.

FAA Goals Supported:

1 Enhance U.S. Aviation Safety.

2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.

4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.

6 Reduce regulatory and administrative burden.

7 Promote USA/FAA pre-eminence in the world aviation community.

FAA FY89 Objectives Supported:

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

COMPUTER-BASED INSTRUCTION (CBI) TRAINING

System No.: 101303

Description:

Provides computer-based instructional programs operated by the FAA Academy, including airway facility and air traffic CBI systems.

IRMP Information Area: Human Interface and Training

Responsible Organization: AAC-900

System Owner: AAC-900

Software Owner: AAC-900

Implementation Date: 09/30/1985

Network: Multiplexing

Annual Operating Costs ($000): 6832.7

Hardware:

CDC 830

Software:

PLATO

System Users:

ACADEMY SCORING

System No.: 101306

Description:

Scores tests and reports grades for air traffic students in the academy. Reports final student grades by course phases and monitors students test and lab progress.

IRMP Information Area: Human Interface and Training

Responsible Organization: AAC

System Owner: AAC

Software Owner: AAC

Implementation Date: 06/01/1980

Network:

Annual Operating Costs ($000): 388.0

Hardware:

MicroVAX II

Software:

MACRO
FORTRAN 4-PLUS
VMS

System Users:

COMPUTER-BASED INSTRUCTION (CBI) TRAINING

System No.: 101303

Dsscrlptlon: Provides computer-based instructional programs operated by the FAA Academy, including airway facility and air traffic CBI systems.	**IRMP Information Area:** Human Interface and Training
	Responsible Organlzation: AAC-900
	System Owner: AAC-900
	Software Owner: AAC-900
	Implementation Date: 09/30/1985
Network: Multiplexing	**Annual Operating Costs ($000):** 6832.7
Hardware: CDC 830	**Software:** PLATO
System Users:	

ACADEMY SCORING

System No.: 101306

Descrlptlon: Scores tests and reports grades for air traffic students in the academy. Reports final student grades by course phases and monitors students test and lab progress.	**IRMP Information Area:** Human Interface and Training
	Responsible Organlzation: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 06/01/1980
Network:	**Annual Operatlng Costs ($000):** 386.0
Hardware: MicroVAX II	**Software:** MACRO FORTRAN 4-PLUS VMS
System Users:	

FAA RADAR TRAINING SYSTEM

System No.: 101371

Description:

Drives both en route and terminal laboratories for the most realistic training available for ATC or radar position. Each sector can be operated independently with record/replay capabilities.

IRMP Information Area: Human Interface and Training

Responsible Organization: AAC

System Owner: AAC

Software Owner: AAC

Implementation Date: 06/01/1980

Network: Ethernet

Annual Operating Costs ($000): 2400.0

Hardware:

DEC VAX 8700 (3)
DEC PDP-11/84 (17)

Software:

VMS/RSX11S
MACRO-11
Structured FORTRAN
FORTRAN IV

System Users:

COAST GUARD SERVICE-WIDE EXAMINATION SYSTEM

System No.: 101372

Description:

Processes personal evaluations and skill-level exam qualification data. Provides statistical reports and ranks tests of regular and reserve enlisted and Warrant Officer candidates for promotion in the U.S. Coast Guard.

IRMP Information Area: Human Interface and Training

Responsible Organization: AAC

System Owner: Coast Guard Institute

Software Owner: AAC

Implementation Date: 09/01/1970

Network:

Annual Operating Costs ($000): 51.6

Hardware:

IBM 3084
NCS7008 Optical Scanner
C3 Terminals

Software:

COBOL ANS
SAS

System Users:

FAA RADAR TRAINING SYSTEM

System No.: 101371

Description:

Drives both en route and terminal laboratories for the most realistic training available for ATC or radar position. Each sector can be operated independently with record/replay capabilities.

IRMP Information Area: Human Interface and Training

Responsible Organization: AAC

System Owner: AAC

Software Owner: AAC

Implementation Date: 06/01/1980

Network: Ethernet

Annual Operating Costs ($000): 2400.0

Hardware:

DEC VAX 8700 (3)
DEC PDP-11/84 (17)

Software:

VMS/RSX11S
MACRO-11
Structured FORTRAN
FORTRAN IV

System Users:

COAST GUARD SERVICE-WIDE EXAMINATION SYSTEM

System No.: 101372

Description:

Processes personal evaluations and skill-level exam qualification data. Provides statistical reports and ranks tests of regular and reserve enlisted and Warrant Officer candidates for promotion in the U.S. Coast Guard.

IRMP Information Area: Human Interface and Training

Responsible Organization: AAC

System Owner: Coast Guard Institute

Software Owner: AAC

Implementation Date: 09/01/1970

Network:

Annual Operating Costs ($000): 51.6

Hardware:

IBM 3084
NCS7008 Optical Scanner
C3 Terminals

Software:

COBOL ANS
SAS

System Users:

16.12 OTHER INFORMATION AREA

ONGOING SYSTEMS SUMMARY

Presented below is a list of ongoing information resources systems associated with this information area. The list identifies the FAAagency-level missions, FAA goals, and FY89 objectives supported by each project. More detailed information may be found in the individual *Fact Sheets* which follow.

ONGOING SYSTEMS LIST

System Number	System Title	Annual Operating Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
071405	International Aviation information System (IAIS)	10.0	1,3	3,7	11
071408	Air Quality Program	130.0	5	1,4,7	23
071409	Energy Policy Analysis	60.0	2	3	63
071412	Energy Conservation Program	40.0	2	3	63
071414	Activity Forecast	97.0	1.2	1,3,7	21,22,23, 24
071415	Policy/Analytical Studies	72.0	1,2,3	1,3,6,7	19
071416	Advisory Circular Data (AC-36)	40.0	3	4	23
071417	Aircraft Engine Emissions	30.0	3	4	23
071418	Airport Noise Modeling	400.0	5	4,6	23
071419	Environmental Noise/Economic Data System	30.0	2	3,4	23
101429	FAA Instructor Activity	181.0	1,5	1,4,7	63
101457	Problem Reporting	47.0	5	1	83
101462	Security	284.4	5	1	83
101465	Hardware/Software	920.5	5	1	63
101461	Aircraft Registration Record Administration System (ARRAS)	627	5	1	63
101499	Aircraft Registration System	331.3	5	1	83
191402	Address Gum Labels	1.5	5	3	63,71
191403	Automated Schedule And Control	16.5	5	3,4	63,71
201401	Air Traffic Electronic Mail	26	5	2,4,6	53
201402	Security Card Key System	0.3	5	2,4,6	63
201403	Electronic Mail Transfer-Airway Facilities	0.2	5	2,4,6	63
201416	Work Tracking - ADP Projects, Western Pacific	0.6	5	2,4,6	83
291417	Directives Revalidation	0.1	5	2,4,6	63
201418	Mailing Address Labels	3.9	5	2,4,6	63
201419	Automated Scheduling And Control, Tape Library	39.6	5	2,4,6	63
201422	Automated Documentation System	23	5	2,4,6	83
201428	Regional Workload Tracking -Administrative Hotline	0.1	5	2,4,6	63
201429	Management Information System (Present)	0.1	5	2,4,6	63
201430	Regional Workload Tracking Accounting Documents	51.1	5	2,4,6	63
201431	Trouble Reporting Systems		5	2,4,6	63
TOTAL		2854.8			

FAA Missions **Supported:**

1 Promotion of aviation safety.

2 Efficient utilization of airspace.

3 Promotion of air commerce and aviation at home and abroad,

5 Efficient and economical program administration.

16.12 OTHER INFORMATION AREA

ONGOING SYSTEMS SUMMARY

Presented below is a list of ongoing information resources systems associated with this information area. The list identifies the FAAagency-level missions, FAA goals, and FY89 objectives supported by each project. More detailed information may be found in the individual *Fact Sheets* which follow.

ONGOING SYSTEMS LIST

System Number	System Title	Annual Operating Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
071405	International Aviation information System (IAIS)	10.0	1,3	3,7	11
071408	Air Quality Program	130.0	5	1,4,7	23
071409	Energy Policy Analysis	60.0	2	3	63
071412	Energy Conservation Program	40.0	2	3	63
071414	Activity Forecast	97.0	1.2	1,3,7	21,22,23, 24
071415	Policy/Analytical Studies	72.0	1,2,3	1,3,6,7	19
071416	Advisory Circular Data (AC-36)	40.0	3	4	23
071417	Aircraft Engine Emissions	30.0	3	4	23
071418	Airport Noise Modeling	403.0	5	4,6	23
071419	Environmental Noise/Economic Data System	30.0	2	3,4	23
101429	FAA Instructor Activity	181.0	1,5	1,4,7	63
101457	Problem Reporting	47.0	5	1	63
101462	Security	284.4	5	1	63
101466	Hardware/Software	920.5	5	1	63
101461	Aircraft Registration Record Administration System (ARRAS)	627	5	1	63
101499	Aircraft Registration System	331.3	5	1	63
191402	Address Gum Labels	1.5	5	3	63,71
191403	Automated Schedule And Control	16.5	5	3,4	63,71
201401	Air Traffic Electronic Mail	26	5	2,4,6	63
201402	Security Card Key System	0.3	5	2,4,6	63
201403	Electronic Mail Transfer-Airway Facilities	0.2	5	2,4,6	63
201416	Work Tracking - ADP Projects, Western Pacific	0.6	5	2,4,6	63
291417	Directives Revalidation	0.1	5	2,4,6	63
201418	Mailing Address Labels	3.9	5	2,4,6	63
201419	Automated Scheduling And Control, Tape Library	39.6	5	2,4,6	63
201422	Automated Documentation System	23	5	2,4,6	63
201428	Regional Workload Tracking -Administrative Hotline	0.1	5	2,4,6	63
201429	Management Information System (Present)	0.1	5	2,4,6	63
201430	Regional Workload Tracking Accounting Documents	51.1	5	2,4,6	63
201431	Trouble Reporting Systems		5	2,4,6	63
TOTAL		2854.8			

FAA Missions **Supported:**

1 Promotion of aviation safety.

2 Efficient utilization of airspace.

3 Promotion of air commerce and aviation at home and abroad,

5 Efficient and economical program administration.

INTERNATIONAL AVIATION INFORMATION SYSTEM (IAIS)

System No.: 071405

Description: Temporarily in operation while a LAN is set up and software is converted. Currently on the Plexus mini-computer, but is being converted to a 3Com LAN.	**IRMP Information Area:** Other
	Responsible Organization: AIA-220
	System Owner: AIP
	Software Owner: AIP
	Implementation Date: 12/31/1987
Network: Ethernet	**Annual Operating Costs ($000):** 10.0
Hardware: Plexus P-75 Micro-computer	**Software:** Progress DBMS COBOL C Language

System Users:

AIR QUALITY PROGRAM

System No.: 071408

Description: Provides aircraft emission modeling/analysis tools for IBM and Apple PCs.	**IRMP Information Area:** Other
	Responsible Organization: AEE
	System Owner: AEE-120
	Software Owner: AEE-120
	Implementation Date: 04/15/1983
Network:	**Annual Operating Costs ($000):** 130.0
Hardware: IBM PC-XT Apple IIe COMPAQ 386	**Software:** dBASE III BASIC CONDOR

System Users:

ENERGY POLICY ANALYSIS

System No.: 071409

Description: Develops and maintains cost and energy data for the FAA to analyze its energy policy and to plan its energy emergency contingency. Includes internal FAA energy conservation policy development.	**IRMP Information Area:** Other
	Responsible Organization: AEE-120
	System Owner: AEE-120
	Software Owner: AOR-100
	Implementation Date: 07/01/1988
Network: Boeing	**Annual Operating Costs ($000):** 60.0
Hardware: COMPAQ 386	**Software:** dBASE III

System Users:

ENERGY CONSERVATION PROGRAM

System No.: 071412

Description: Supports aviation programs to promote and encourage fuel conservation. Provides methodology to quantify fuel savings from new or projected design or procedural changes in airport planning, air traffic control, and the NAS Plan.	**IRMP Information Area:** Other
	Responsible Organization: AEE-120
	System Owner: AEE-120
	Software Owner: AOR-100
	Implementation Date: 10/01/1983
Network: Boeing	**Annual Operating Costs ($000):** 40.0
Hardware: COMPAQ 386	**Software:** dBASE III

System Users:

ENERGY POLICY ANALYSIS

System No.: 071409

Description: Develops and maintains cost and energy data for the FAA to analyze its energy policy and to plan its energy emergency contingency. Includes internal FAA energy conservation policy development.	**IRMP Information Area:** Other
	Responsible Organization: AEE-120
	System Owner: AEE-120
	Software Owner: AOR-100
	Implementation Date: 07/01/1988
Network: Boeing	Annual Operating Costs ($000): 60.0
Hardware: COMPAQ 386	Software: dBASE III
System Users:	

ENERGY CONSERVATION PROGRAM

System No.: 071412

Description: Supports aviation programs to promote and encourage fuel conservation. Provides methodology to quantify fuel savings from new or projected design or procedural changes in airport planning, air traffic control, and the NAS Plan.	**IRMP Information Area:** Other
	Responsible Organization: AEE-120
	System Owner: AEE-120
	Software Owner: AOR-100
	Implementation Date: 10/01/1983
Network: Boeing	Annual Operating Costs ($000): 40.0
Hardware: COMPAQ 386	Software: dBASE III
System Users:	

ADVISORY CIRCULAR DATA (AC-36)

System No.: 071416

Description: Captures aircraft noise level data contained in Advisory Circulars.	**IRMP Information Area:** Other
	Responsible Organization: AEE
	System Owner: AEE-110
	Software Owner: AEE-110
	Implementation Date: 10/01/1978
Network:	**Annual Operating Costs ($000):** 40.0
Hardware: COMPAQ 386	**Software:** dBASE III
System Users:	

AIRCRAFT ENGINE EMISSIONS

System No.: 071417

Description: Forecasts aviation activity and upper atmospheric pollution to assess airport pollution.	**IRMP Information Area:** Othe
	Responsible Organization: AEE
	System Owner: AEE-1 0(
	Software Owner: AEE-1 0(
	Implementation Date: 06/01/198?
Network: BOEING	**Annual Operating Costs ($000):** 30.(
Hardware: Kaypro 286	**Software:** FORTRAN BASIC dBASE III
System Users:	

AIRPORT NOISE MODELING

System No.: 071418

Description: Provides a set of airport noise analysis tools on IBM PCs for airport planners.	**IRMP Information Area:** Other
	Responsible Organization: AEE-120
	System Owner: AEE-120
	Software Owner: AEE-120
	Implementation Date: 01/30/1985
Network:	**Annual Operating Costs ($000):** 400.0
Hardware: IBM PC-XT HP 7475A Plotter COMPAQ 386	**Software:** Microsoft C 4.0 Microsoft FORTRAN 4.0
System Users:	

ENVIRONMENTAL NOISE/ECONOMIC DATA SYSTEM

System No.: 071419

Description: Provides a set of airport noise/economic analysis tools on IBM PCs for airport planners and the FAA.	**IRMP Information Area:** Other
	Responsible Organization: AEE-300
	System Owner: AEE-300
	Software Owner: AEE-300
	Implementation Date: 10/01/1984
Network:	**Annual Operating Costs ($000):** 30.0
Hardware: IBM PC-XT	**Software:** R:Base 5000 FORTRAN
System Users:	

AIRPORT NOISE MODELING

System No.: 071418

Description: Provides a set of airport noise analysis tools on IBM PCs for airport planners.	**IRMP Information Area:** Other
	Responsible Organization: AEE-120
	System Owner: AEE-120
	Software Owner: AEE-120
	Implementation Date: 01/30/1985
Network:	**Annual Operating Costs ($000):** 400.0
Hardware: IBM PC-XT HP 7475A Plotter COMPAQ 386	**Software:** Microsoft C 4.0 Microsoft FORTRAN 4.0
System Users:	

ENVIRONMENTAL NOISE/ECONOMIC DATA SYSTEM

System No.: 071419

Description: Provides a set of airport noise/economic analysis tools on IBM PCs for airport planners and the FAA.	**IRMP Information Area:** Other
	Responsible Organization: AEE-300
	System Owner: AEE-300
	Software Owner: AEE-300
	Implementation Date: 10/01/1984
Network:	**Annual Operating Costs ($000):** 30.0
Hardware: IBM PC-XT	**Software:** R:Base 5000 FORTRAN
System Users:	

SECURITY

System No.: 101462

Description: Provides the means for protecting the files and databases maintained in the AAC-300 equipment system.	**IRMP Information Area:** Other
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 12/01/1977
Network:	**Annual Operating Costs ($000):** 284.4
Hardware: IBM 3084	**Software:** ACF2 DITTO IEBGENER Fast Dump RESTORE (FDR) Extended Security System (ESS) NATURAL Security
System Users:	

HARDWARE/SOFTWARE

System No.: 101466

Description: Evaluates the code to which any type of hardware or software evaluation is attributed. Processes data for reports to management about capacity planning.	**IRMP Information Area:** Other
	Responsible Organization: AAC
	System Owner: AAC
	Software Owner: AAC
	Implementation Date: 06/01/1973
Network:	**Annual Operating Costs ($000):** 920.5
Hardware: IBM 3084	**Software:**
System Users:	

AIRCRAFT REGISTRATION RECORD ADMINISTRATION SYSTEM (ARRAS)

System No.: 101461

Description:

Provides record identification, tracking, storage location, and retrieval of the microfiche records maintained by the FAA Registry for the U.S. civil aircraft fleet.

IRMP Information Area:	Other
Responsible Organization:	AAC
System Owner:	AAC
Software Owner:	AAC
Implementation Date:	03/01/1980
Network:	
Annual Operating Costs ($000):	62.7

Hardware:

HP 1000
HP 7906/7925 Disc Drive
HP 2621 P Terminals (4)
HP 2621A Terminals (4)
HP 2631A Printers,(S)
HP 2608AS Printer (1)
HP System Console
IBM 3084

Software:

ACCESS IDCS

System Users:

AIRCRAFT REGISTRATION SYSTEM

System No.: 101499

Description:

Maintains and processes the registration data of corporate and privately-owned aircraft for use by the Aircraft Registration Branch. Provides certificates of registration and aircraft identification numbers of all U.S. civil aircraft.

IRMP Information Area:	Other
Responsible Organization:	AAC
System Owner:	AAC
Software Owner:	AAC
Implementation Date:	03/01/1978
Network:	
Annual Operating Costs ($000):	331.3

Hardware:

CODEX CABLE HUX
IBM 3084
OS Terminals
Four-Phase Terminals
Telex 27714 Terminals (2)
Telex Printers (2)
IBM 3270 Terminals
IBM 3179 Terminals (7)
IBM 3287 Printer (3)

Software:

COBOL-4
COBOL-VS
Natural
Complete

System Users:

AIRCRAFT REGISTRATION RECORD ADMINISTRATION SYSTEM (ARRAS)

System No.: 101461

Description:

Provides record identification, tracking, storage location, and retrieval of the microfiche records maintained by the FAA Registry for the U.S. civil aircraft fleet.

IRMP Information Area:	Other
Responsible Organization:	AAC
System Owner:	AAC
Software Owner:	AAC
Implementation Date:	03/01/1980
Network:	
Annual Operating Costa ($000):	62.7

Hardware:

HP 1000
HP 7906/7925 Disc Drive
HP 2621 P Terminals (4)
HP 2621A Terminals (4)
HP 2631A Printers,(S)
HP 2608AS Printer (1)
HP System Console
IBM 3084

Software:

ACCESS IDCS

System Users:

AIRCRAFT REGISTRATION SYSTEM

System No.: 101499

Description:

Maintains and processes the registration data of corporate and privately-owned aircraft for use by the Aircraft Registration Branch. Provides certificates of registration and aircraft identification numbers of all U.S. civil aircraft.

IRMP Information Area:	Other
Responsible Organization:	AAC
System Owner:	AAC
Software Owner:	AAC
Implementation Date:	03/01/1978
Network:	
Annual Operating Costs ($000):	331.3

Hardware:

CODEX CABLE HUX
IBM 3084
OS Terminals
Four-Phase Terminals
Telex 27714 Terminals (2)
Telex Printers (2)
IBM 3270 Terminals
IBM 3179 Terminals (7)
IBM 3287 Printer (3)

Software:

COBOL-4
COBOL-VS
Natural
Complete

System Users:

AIR TRAFFIC ELECTRONIC MAIL

System No.: 201401

Description: Ties air traffic field facilities with the regional office and other field facilities via electronic mail.	**IRMP Information Area:** Other
	Responsible Organization: AWP-500
	System Owner: AWP-500
	Software Owner: AWP-443
	Implementation Date: 05/01/1987
Network:	**Annual Operating Costs ($000):** 2.6
Hardware: DG MV/15000	**Software:** AOSNS

System **Users:**

SECURITY CARD KEY SYSTEM

System No.: 201402

Description: Provides management with information about installed RUSCO security card readers, access cards, and personnel assigned card numbers and locations. Supplies the means (interactive terminals) for generating reports and updates.	**IRMP Information Area:** Other
	Responsible Organization: AWP-491
	System Owner: AWP-423
	Software Owner: AWP-431
	Implementation Date: 05/22/1987
Network: None	**Annual Operating Costs ($000):** 0.3
Hardware: DG MV/II 5000	**Software:** COBOL ANSI 74

System **Users:**

AIR TRAFFIC ELECTRONIC MAIL

System No.: 201401

Descrlptlon: Ties air traffic field facilities with the regional off ice and other field facilities via electronic mail.	**IRMP Informatlon Area:** Other
	Responsible Organization: AWP-500
	System Owner: AWP-500
	Software Owner: AWP-423
	Implementatlon Date: 05/01/1987
Network:	Annual Operatlng Costs ($000): 2.6
Hardware: DG MV/15000	Software: AOSNS
System Users:	

SECURITY CARD KEY SYSTEM

System No.: 201402

Descrlptlon: Provides management with information about installed RUSCO security card readers, access cards, and personnel assigned card numbers and locations. Supplies the means (interactive terminals) for generating reports and updates.	**IRMP Information Area:** Other
	Responsible Organlzatlon: AWP-493
	System Owner: AWP-423
	Software Owner: AWP-43
	Implementatlon Date: 05/22/1987
Network: None	Annual Operating Costs ($000): 0.3
Hardware: DG MV/15000	Software: COBOL ANSI 74
System Users:	

DIRECTIVES REVALIDATION

System No.: 201417

Description:	IRMP Information Area:
Provides a schedule for revalidating regional directives.	Other
	Responsible Organization: AWP-42
	System Owner: AWP-42
	Software Owner: AWP-43
	Implementation Date: 09/30/1984
Network:	Annual Operating Costs ($000): 0.1
Hardware: DG MV/15000	Software: COBOL ANSI 74
System Users:	

MAILING ADDRESS LABELS

System No.: 201418

Description:	IRMP Information Area:
Maintains addresses and produces magnetic tapes for processing on Bell & Howell Ink Jet system.	Other
	Responsible Organization: AWP-52
	System Owner: AWP-52
	Software Owner: AWP-43
	Implementation Date: 02/10/1984
Network:	Annual Operating Costs ($000): 3.5
Hardware: DG MV/15000	Software: COBOL ANSI 74
System Users:	

DIRECTIVES REVALIDATION

System No.: 201417

Description:	IRMP Information Area:
Provides a schedule for revalidating regional directives.	Other
	Responsible Organization: AWP-42
	System Owner: AWP-42
	Software Owner: AWP-43
	Implementation Date: 09/30/1984
Network:	Annual Operating Costs ($000): 0.1
Hardware: DG MV/15000	Software: COBOL ANSI 74
System Users:	

MAILING ADDRESS LABELS

System No.: 201418

Description:	IRMP Information Area:
Maintains addresses and produces magnetic tapes for processing on Bell & Howell Ink Jet system.	Other
	Responsible Organization: AWP-52
	System Owner: AWP-52
	Software Owner: AWP-43
	Implementation Date: 02/10/1984
Network:	Annual Operating Costs ($000): 3.5
Hardware: DG MV/15000	Software: COBOL ANSI 74
System Users:	

REGIONAL WORKLOAD TRACKING - ADMINISTRATIVE HOTLINE

System No.: 201428

Description: Tracks hotline actions for the purpose of continual follow-up.	**IRMP Information Area:** Other
	Responsible Organization: AWP-43
	System Owner: AWP-43
	Software Owner: AWP-43
	Implementation Date: 08/30/1984
Network:	**Annual Operating Costs ($000):** 0.1
Hardware: DG MV/15000	**Software:** COBOL ANSI 74 Present Utility
System Users:	

MANAGEMENT INFORMATION SYSTEM (PRESENT)

System No.: 201429

Description: Allows users to selectively access pertinent data from the monthly PMIS string, bi-weekly payroll string, and selected UAS data.	**IRMP Information Area:** Other
	Responsible Organization: AWP-43
	System Owner: AWP-43
	Software Owner: AWP-43
	Implementation Date: 02/28/1985
Network:	**Annual Operating Costs ($000):** 0.1
Hardware: DG MV/15000	**Software:** COBOL ANSI 74 Present Utility
System Users:	

REGIONAL WORKLOAD TRACKING - ACCOUNTING DOCUMENTS

System No.: 201430

Description: Tracks document flow through the Accounting Branch for processing.	**IRMP Information Area:** Other
	Responsible Organization: AWP-42
	System Owner: AWP-42
	Software Owner: AWP-43
	Implementation Date: 11/01/1984
Network: None	**Annual Operating Costs ($000):** 51.1
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

TROUBLE REPORTING SYSTEMS

System No.: 201431

Description: Provides effective means of recording system hardware trouble status.	**IRMP Information Area:** Other
	Responsible Organization: AWP-43
	System Owner: AWP-43
	Software Owner: AWP-43
	Implementation Date: 06/21/1985
Network:	**Annual Operating Costs ($000):**
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

REGIONAL WORKLOAD TRACKING - ACCOUNTING DOCUMENTS

System No.: 201430

Description: Tracks document flow through the Accounting Branch for processing.	**IRMP Information Area:** Other
	Responsible Organization: AWP-42
	System Owner: AWP-42
	Software Owner: AWP-43
	Implementation Date: 11/01/1984
Network: None	**Annual Operating Costs ($000):** 51.1
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

TROUBLE REPORTING SYSTEMS

System No.: 201431

Description: Provides effective means of recording system hardware trouble status.	**IRMP Information Area:** Other
	Responsible Organization: AWP-43
	System Owner: AWP-43
	Software Owner: AWP-43
	Implementation Date: 06/21/1985
Network:	**Annual Operating Costs ($000):**
Hardware: DG MV/15000	**Software:** COBOL ANSI 74
System Users:	

16.13 RECORDS MANAGEMENT INFORMATION AREA

ONGOING SYSTEMS SUMMARY

Resented below is a list of ongoing information resources systems associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and **FY89** objectives supported by each project. More detailed information may be found in the individual *Fact Sheets* which follow.

ONGOING SYSTEMS LIST

System Number	System Title	Annual Operating Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
011501	Vacancy Announcement Microfiche Program	56.0	5	2	63
011505	Catalog of FAA Forms	16.0	5	4	63
011506	Catalog of Recurring Reports System	14.7	5	4	63
011507	FAA Microform Catalog	5.0	5	4	63
TOTAL		91.7			

FAA Missions Supported:

5 Efficient and economical program administration,

FAA **Goals Supported:**

2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.

4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.

FAA N89 **Objectives Supported:**

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

16.13 RECORDS MANAGEMENT INFORMATION AREA

ONGOING SYSTEMS SUMMARY

Resented below is a list of ongoing information resources systems associated with this information area. The list identifies the FAA agency-level missions, FAA goals, and FY89 objectives supported by each project. More detailed information may be found in the individual *Fact Sheets* which follow.

ONGOING SYSTEMS LIST

System Number	System Title	Annual Operating Cost ($000)	FAA Missions Supported	FAA Goals Supported	FAA Objectives Supported
011501	Vacancy Announcement Microfiche Program	56.0	5	2	63
011505	Catalog of FAA Forms	16.0	5	4	63
011506	Catalog of Recurring Reports System	14.7	5	4	63
011507	FAA Microform Catalog	5.0	5	4	63
TOTAL		01.7			

FAA Missions Supported:

5 Efficient and economical program administration,

FAA Goals Supported:

2 Build an FAA culture which nurtures achievement of people's aspirations and provides a management process for realizing individual, as well as organizational objectives.

4 Assure effective and efficient utilization of human, fiscal, material and airspace/airports resources.

FAA N89 Objectives Supported:

MANAGEMENT/COMMUNICATION:

63 Implement, through automation, other technology, or procedural changes, programs within each organization that place a special emphasis on reducing the administrative time needed to respond to internal and external requests.

CATALOG OF RECURRING REPORTS SYSTEM

System No.: 011506

Description: Maintains a catalog of FAA Headquarters' current internal recurring reports. The catalog lists the RIS number, title, method of collection, OPI, and the preparers and receivers of the report.	**IRMP information Area:** Records Management
	Responsible Organization: AMS-410
	System Owner: AMS-410
	Software Owner: AMS-410
	Implementation Date: 01/21/1986
Network:	**Annual Operating Costs ($000):** 14.7
Hardware: Wang VS300	**Software:** MSI-developed
System Users:	

FAA MICROFORM CATALOG

System No.: 011507

Description: Produces a catalog categorizing the microform systems in use throughout the agency. Provides the information needed to identify and locate microfiche publications, aperture cards, 16mm systems within the agency, and commercial sources.	**IRMP Information Area:** Records Management
	Responsible Organization: AMS-410
	System Owner: AMS-410
	Software Owner: AMS-410
	Implementation Date: 10/31/1986
Network:	**Annual Operating Costs ($000):** 5.0
Hardware: Wang VS300C	**Software:** Wang WP
System Users:	

PROJECT/SYSTEM NUMBER (P/S)	PROJECT TITLE	PAGE NUMBER
170301 (S)	Airports Management Information System	142
020413 (S)	Airspace Rules Processing and Reporting System (ARPRS)	148
041016 (S)	Airway Facilities (AD Sector Level Staffing Standards System	222
200803 (S)	Airway Facilities Training History Requirements	199
011131 (S)	AMS Office Automation and Systems Support	241
241013 (S)	AND Management Information System	234
240701 (S)	AND OPS Financial Management System	188
161501 (P)	ANE-100 Files Automatlon	133
041076 (S)	Applicatlons Engineering Tandem	223
181107 (P)	ASO Office Automation	110
010712 (S)	Automated Data Processing Chargeback System	170
201422 (S)	Automated Documentation System	275
200712 (S)	Automated GTR Control System	186
191101 (P)	Automated Management Information, Southwest Region (SWAMI)	111
191403 (S)	Automated Schedule and Control	271
121107 (S)	Automated Scheduling and Control	243
201419 (S)	Automated Scheduling and Control, Tape Library	275
200710 (S)	Automated Transportation & GBL Freight	185
220817 (P)	Automated Vacancy Announcements/KSAO Bank	74
100699 (S)	Aviation Medical Examiner System	163
250602 (S)	Aviation Safety Analysis System (ASAS)	165
250601 (P)	Aviation Safety Analysis System (ASAS) Development	58
210602 (S)	Aviation Safety Reporting System	165
010815 (S)	Aviation Standards Staffing Standards	191
180901 (S)	Bidders List	214
080311 (S)	Bird Hazard System	140
140704 (S)	Budget Authorization/Organization Staffing Levels and Budgetary Fiscal Reports	175
010708 (P)	Budget Information System	62
010724 (S)	Budgetary Authorization System	171
011505 (S)	Catalog of FAA Forms	280
011506 (S)	Catalog of Recurring Reports System	281
051107 (P)	Civil Aviation Information/Aviation Education Clearinghouse Timesharing Database	98
101373 (S)	Coast Guard Non-Resident Training	259
100709 (S)	Coast Guard Payroll	171
101372 (S)	Coast Guard Service-Wide Examination System	258
100594 (S)	Comprehensive Airman Information System (CAIS)	161
041112 (S)	Computer-Aided Engineering Graphics	241
040801 (S)	Computer Aided Human Resources Planning System (CHURPS)	193
101303 (S)	Computer-Based Instruction (CBI) Training	256
011212 (P)	Computer Resources Nucleus (CORN)	120
220816 (S)	Consolidated Personnel Management Information System (CPMIS)	203
190707 (S)	Current/Previous Regional Individual Change Of Stations	182
100998 (S)	Cycle Inventory	213
011108 (P)	Data Administration	92
100991 (S)	Defense Integrated Data Systems	211
100977 (S)	Demand Update	210
010722 (S)	Department-Wide Consolidated Uniform Payroll System (CUPS)	170
100978 (S)	Depot Activity	211
100992 (S)	Depot Production Control	212
100971 (S)	Depot Requirements	208
011118 (S)	Directives Management Information System	237
201417 (S)	Directives Revalidation	274
181002 (S)	Drafting Index System	231
111001 (S)	Drawing Index	227

PROJECT/SYSTEM NUMBER (P/S)	PROJECT TITLE	PAGE NUMBER
200801 (S)	Drug/Alcohol Rehabilitation Tracking	199
220809 (P)	EGATS - Automated Personnel Action Processing	72
201403 (S)	Electronic Mail Transfer - Airway Facilities	273
011104 (P)	Electronic Time & Attendance Management System (ETAMS)	91
041296 (S)	Employee Suggestion/Direct Distribution	251
030801 (S)	Employment Discrimination Tracking System	192
180904 (S)	Energy	214
120788 (S)	Energy Conservation	174
140706 (S)	Energy Conservation (Electric)	175
140713 (S)	Energy Conservation (Vehicle)	177
071412 (S)	Energy Conservation Program	264
190706 (S)	Energy Management Reporting System	182
041097 (S)	Energy Management Reporting System (EMRS)	226
071409 (S)	Energy Policy Analysis	264
041094 (S)	Engine Generator	225
080318 (P)	Enhanced AMIS	42
071419 (S)	Environmental Noise/Economic Data System	267
011503 (P)	Expansion of Electronic Publishing Capability	131
101349 (S)	FAA Academy Correspondence Course Training	257
011117 (S)	FAA Directory	237
101429 (S)	FAA instructor Activity	268
011507 (S)	FAA Microform Catalog	281
101371 (S)	FAA Radar Training System	258
011103 (P)	FAAMIS - Executive Information System (EXIS)	90
011201 (P)	FAAMIS - Operational Management Information System (OMIS)	119
180704 (S)	Facilities and Equipment	179
200707 (S)	Facilities and Equipment Cost Accounting	184
190705 (S)	Facilities and Equipment Cost System	181
041096 (S)	Facilities and Equipment Reporting System (FERS/PFF)	226
190903 (S)	Facilities and Equipment Stocks Inventory	215
201034 (S)	Facilities Drawing (ANM-67)	232
041099 (S)	Facilities Master File (FMF)	227
041093 (S)	Facility and Service Outage Reporting System	224
201014 (S)	Facility Performance System	232
100976 (S)	Fedstrip/Milstrip	210
200935 (S)	Field Inventory Replenishment Supply	218
171006 (S)	Field Maintenance Program (FMP)	229
120706 (S)	Financial Management Information System	173
181106 (S)	Forms Catalog	247
041095 (S)	Frequency Assignment System	225
201201 (S)	FS Automatic Training/Personnel Tracking	252
140414 (S)	Fuel/Burn Model	151
051102 (S)	GC Information Resource Management System (IRMS)	242
010511 (S)	General Aviation Activity and Avionics Survey System	157
101466 (S)	Hardware/Software	269
230805 (S)	HRMD Project Control	200
180701 (S)	In-Transit Accounting	178
150601 (S)	Incident Tracking System	164
011199 (P)	Information Resources Management Plan (IRMP) Automation	97
090686 (S)	Instrument Approach Procedure Automation (IAPA)	161
071405 (S)	International Aviation Information System (IAIS)	263
100972 (S)	Inventory Stratification	229
100993 (S)	Item Identification	212

PROJECT/SYSTEM NUMBER (P/S)	PROJECT TITLE	PAGE NUMBER
181104 (S)	Job Scheduling System	246
041065 (S)	Line Performance Reporting System (Line Outage)	223
190704 (S)	Local Accounting Interfaces	181
140711 (S)	Local Payroll Reporting	176
190701 (S)	Local Payroll Support	180
140805 (S)	Local Personnel Management Information Reporting	194
100906 (P)	Logistics and Inventory System (LIS)	79
201418 (S)	Mailing Address Labels	274
041006 (S)	Maintenance Management System (MMS)	222
140703 (S)	Man-Hours Personnel Costs	174
201429 (S)	Management Information System (Present)	276
100974 (S)	Management Update	209
171004 (S)	Master Drawings Index (Engineering Drawings)	228
190901 (S)	Materiel Transfers-In	215
220801 (P)	MATES - Modular Applicant Testing, Examining, and Screening	67
011127 (S)	Mean Time To Failure	239
220803 (P)	Merit Promotion Plan (MPP)	69
221308 (S)	Microcomputer-Based Support for Managerial Decision Making	259
180801 (S)	Minority Group Statistics	197
190801 (S)	Minority Group Statistics	198
140710 (S)	Motor Licensing System	176
200901 (S)	Motor Vehicle (Local)	216
200732 (S)	Motor Vehicle Management	188
120705 (S)	Motor Vehicle Management	172
231297 (S)	NAS Facilities Simulation and Analysis	254
241101 (P)	NAS Management Office Automation Program (NASMAP)	116
131107 (S)	National Administration and Management Systems	244
211201 (S)	National Airspace Information Monitoring System	254
041092 (S)	National Airspace System Performance Reporting System	224
011102 (P)	National Automated Travel System (NATS)	89
210603 (P)	National Aviation Safety Data Center Program	57
200833 (S)	National Driver Registration	202
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APPENDIX D:

CONTRACTIONS

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CONTRACTIONS

Appendix D

Contractions

FAA Order #7340.11, *Contractions,* contains all of the approved contractions and acronyms. The following list defines the contractions and acronyms contained within this document. This selected list is not meant to be a complete FAA compilation.

AAA	Office of Accounting
AAC	Mike Monroney Aeronautical Center
AAD	Office of Associate Administrator for Administration
AAF	Office of Associate Administrator for Airway Facilities
AAI	Office of Accident Investigation
AAL	Alaskan Regional Office
AAM	Office of Aviation Medicine
AAP	Advanced Automation Program Office/Automation Service
AAS	Office of Airport Safety and Standards
AAT	Office of Associate Administrator for Air Traffic
ABU	Office of Budget
ACCIS	The Administrator's Correspondence Control and information System
ACD	Engineering, Research, and Development Service
ACE	Central Regional Off ice
ACL	Office of Research and Technology Applications
ACM	Resource Management Service
ACN	Engineering, Test, and Evaluation Service
ACP	Airport Capacity Planning Off ice
ACR	Office of Civil Rights
ACS	Office of Civil Aviation Security
ACT	Office of Technical Center Director
ADA	Office of Deputy Administrator
ADM	Office of Associate Administrator for Advanced Design and Management Control
ADP	Automated Data Processing
ADPE	Automated Data Processing Equipment
ADS	Advanced System Design Service
ADTN	Administrative Data Transmission Network
AEA	Eastern Regional Off ice
AEE	Office of Environment and Energy
AEU	Europe, Africa, and Middle East Office
AF	Airway Facilities
AFIS	Automatic Flight Inspection System
AFS	Flight Standards Service
AFSFAC	Airway Facilities Sector Facilities System
AFSS	Automated Flight Service Station
AGC	Office of the Chief Counsel
AGI	Office of Government and Industry Affairs

AGL	Great Lakes Regional Office
AHD	Office of Human Resource Development
AHR	Office of Associate Administrator for Human Resource Management
AHT	Office of Training and Higher Education
AIA	Office of International Aviation
AIDS	Accident/Incident Data System
AIR	Aircraft Certification Service
AIRTRIPS	Air Traffic Rules Information Processing System
AIS	Aeronautical Information System
ALG	Acquisition and Materiel Service
ALR	Office of Labor and Employee Relations
AMC	Management Control Service
AMIS	Aircraft Management Information System
AMS	Office of Management Systems
AMS-300	Information Resources Management Division
AMS-310	Information Resources Planning Branch
AMT	Administrator's Management Team
AND	Office of Associate Administrator for National Airspace System Development
ANE	New England Regional Office
ANM	Northwest Mountain Regional Off ice
ANS	National Airspace System Transition Service
AOA	Office of Administrator
AOM	Office of Operations Resource Management
AOP	Office of Operations Planning and Policy
AOR	Operations Research Off ice
AOV	Office of Aviation Safety Oversight
APA	Office of Public Affairs
APAS	Automated Performance Analysis System
API	Office of Associate Administrator for Policy, Planning, and International Aviation
APN	Office of Personnel
APO	Office of Aviation Policy and Plans
APP	Office of Airport Planning and Programming
APR	Office of Program and Resource Management
APR[1]	Agency Procurement Request
APS	Program Engineering Service
ARC	Administrator's Review Committee
ARM	Office of Rulemaking
ARP	Office of Associate Administrator for Airport System Development
ARPRS	Airspace Rules Processing and Reporting System
ARRAS	Aircraft Registration Record Administration System
ARTCC	Air Route Traffic Control Center
ARTS	Automated Radar Terminal System
ASA	Advanced System Acquisition Service
ASAS	Aviation Safety Analysis System
ASE	System Engineering and Program Management Office
ASF	Office of Associate Administrator for Aviation Safety

[1] This acronym refers to an official form and should not be confused with the APR office.

AGL	Great Lakes Regional Office
AHD	Office of Human Resource Development
AHR	Office of Associate Administrator for Human Resource Management
AHT	Office of Training and Higher Education
AIA	Office of International Aviation
AIDS	Accident/Incident Data System
AIR	Aircraft Certification Service
AIRTRIPS	Air Traffic Rules Information Processing System
AIS	Aeronautical Information System
ALG	Acquisition and Materiel Service
ALR	Office of Labor and Employee Relations
AMC	Management Control Service
AMIS	Aircraft Management Information System
AMS	Office of Management Systems
AMS-300	Information Resources Management Division
AMS-310	Information Resources Planning Branch
AMT	Administrator's Management Team
AND	Office of Associate Administrator for National Airspace System Development
ANE	New England Regional Office
ANM	Northwest Mountain Regional Off ice
ANS	National Airspace System Transition Service
AOA	Office of Administrator
AOM	Office of Operations Resource Management
AOP	Office of Operations Planning and Policy
AOR	Operations Research Off ice
AOV	Office of Aviation Safety Oversight
APA	Office of Public Affairs
APAS	Automated Performance Analysis System
API	Office of Associate Administrator for Policy, Planning, and International Aviation
APN	Office of Personnel
APO	Office of Aviation Policy and Plans
APP	Office of Airport Planning and Programming
APR	Office of Program and Resource Management
APR[1]	Agency Procurement Request
APS	Program Engineering Service
ARC	Administrator's Review Committee
ARM	Office of Rulemaking
ARP	Office of Associate Administrator for Airport System Development
ARPRS	Airspace Rules Processing and Reporting System
ARRAS	Aircraft Registration Record Administration System
ARTCC	Air Route Traffic Control Center
ARTS	Automated Radar Terminal System
ASA	Advanced System Acquisition Service
ASAS	Aviation Safety Analysis System
ASE	System Engineering and Program Management Office
ASF	Office of Associate Administrator for Aviation Safety

[1] This acronym refers to an official form and should not be confused with the APR office.

DSS	Decision Support System
DTS	Transportation Systems Center
EGATS	Electronically Generated and Transmitted Standard Form 52 (SF-52)
EIS	Enforcement Inspection System
ELAN	Extended Local Area Network
EMRS	Energy Management Reporting System
ESS	Extended Security System
ETAMS	Electronic Time and Attendance Management System
EXIS	Executive Information System
F&E	Facilities and Equipment
FAA	Federal Aviation Administration
FAAMIS	Federal Aviation Administration Management Information System
FACLOC	Facility/Location Validation System
FAR	Federal Aviation Regulation
FC/L	Funding Code/Limitation
FDC	Flight Data Center
FERS	Facilities and Equipment Reporting System
FIFO	Flight Inspection Field Office
FIPS	Federal Information Processing Standards
FIRMR	Federal Information Resource Management Regulation
FMF	Facilities Master File
FMP	Field Maintenance Parties
FOB	Federal Office Building
FS	Flight Standards
FSNFO	Field Standards National Field Office
FTE	Full-Time Equivalent
FTS	Federal Telephone System
FY	Fiscal Year
GAO	Government Accounting Office
GBL	Government Bill of Lading
GC	General Counsel
GPO	Government Printing Office
GRITS	Grass Roots Information Technology System
GSA	General Services Administration
GTR	Government Transportation Request
GWG	Graphics Working Group
HRM	Human Resources Management
HRMD	Human Resources Management Division
IAIS	International Aviation Information System
IAPA	Instrument Approach Procedures Automation
IRM	Information Resources Management
IRMC	Information Resources Management Committee
IRMP	Information Resources Management Plan
IRMS	Information Resources Management System
IRSP	Information Resources System Plan
JAI	Joint Acceptance Inspection
JAR	Joint Aviation Regulation
KSAO	Knowledge, Skills, Abilities, and Other Attributes
LAN	Local Area Network
LIS2	Logistics and Inventory System
MATES	Modular Applicant Testing, Examining, and Screening

MBO	Management By Objectives
MIS	Management Information System
MLS	Microwave Landing System
MMS	Maintenance Management System
MPP	Merit Provision Program
NADIN	National Data Interchange Network
NAPRS	National Airspace System Performance Reporting System
NAS	National Airspace System
NASA	National Aeronautics and Space Administration
NASMAP	National Airspace System Management Office Automation Program
NASPAC	National Airspace System Performance Analysis Capability
NATS	National Automated Travel System
NAVAIDS	Navigational Aids
NFDC	National Flight Data Center
NFIS	National Facilities Information System
NPDS	National Patch Delivery System
NPIAS	National Plan for Integrated Airports Systems
NTSB	National Transportation Safety Board
OA	Off ice Automation
OAG	Official Airline Guide
OAP	Office Automation Plan
OATS	Office Automation Technology and Services
OE/AAA	Obstruction Evaluation and Airport Airspace Analysis
OMB	Office of Management and Budget
OMIS	Operational Management Information System
OPI	Office of Primary Interest
OPM	Office of Personnel Management
OPR	Office of Primary Responsibility
OPRAS	Air Traffic Operational Planning Requirements Analysis System
OPS	Operations
OS	Operating System
OST	Office of the Secretary, Department of Transportation
OWCP	Office of Workman's Compensation Programs
PAS	Performance Appraisal System
PC	Personal Computer
PCS	Permanent Change of Station
PD	Position Description
PDN	Public Data Network
PETS	Personnel Employment Tracking System
PFF	Precommissioned Facilities File
PIP	Program Implementation Plan
PM	Preventative Maintenance
PMIS	Personnel Management Information System
PMS	Program Management System
PPIMS	Personal Property-In-Use Management System
PRA	Paperwork Reduction Act of 1980
QA	Quality Assurance
QUASAR	Quality Assurance Analysis Reporting
R&D	Research and Development
RE&D	Research, Engineering, and Development

MBO	Management By Objectives
MIS	Management Information System
MLS	Microwave Landing System
MMS	Maintenance Management System
MPP	Merit Provision Program
NADIN	National Data Interchange Network
NAPRS	National Airspace System Performance Reporting System
NAS	National Airspace System
NASA	National Aeronautics and Space Administration
NASMAP	National Airspace System Management Office Automation Program
NASPAC	National Airspace System Performance Analysis Capability
NATS	National Automated Travel System
NAVAIDS	Navigational Aids
NFDC	National Flight Data Center
NFIS	National Facilities Information System
NPDS	National Patch Delivery System
NPIAS	National Plan for Integrated Airports Systems
NTSB	National Transportation Safety Board
OA	Off ice Automation
OAG	Official Airline Guide
OAP	Office Automation Plan
OATS	Office Automation Technology and Services
OE/AAA	Obstruction Evaluation and Airport Airspace Analysis
OMB	Office of Management and Budget
OMIS	Operational Management Information System
OPI	Office of Primary Interest
OPM	Office of Personnel Management
OPR	Office of Primary Responsibility
OPRAS	Air Traffic Operational Planning Requirements Analysis System
OPS	Operations
OS	Operating System
OST	Office of the Secretary, Department of Transportation
OWCP	Office of Workman's Compensation Programs
PAS	Performance Appraisal System
PC	Personal Computer
PCS	Permanent Change of Station
PD	Position Description
PDN	Public Data Network
PETS	Personnel Employment Tracking System
PFF	Precommissioned Facilities File
PIP	Program Implementation Plan
PM	Preventative Maintenance
PMIS	Personnel Management Information System
PMS	Program Management System
PPIMS	Personal Property-In-Use Management System
PRA	Paperwork Reduction Act of 1980
QA	Quality Assurance
QUASAR	Quality Assurance Analysis Reporting
R&D	Research and Development
RE&D	Research, Engineering, and Development